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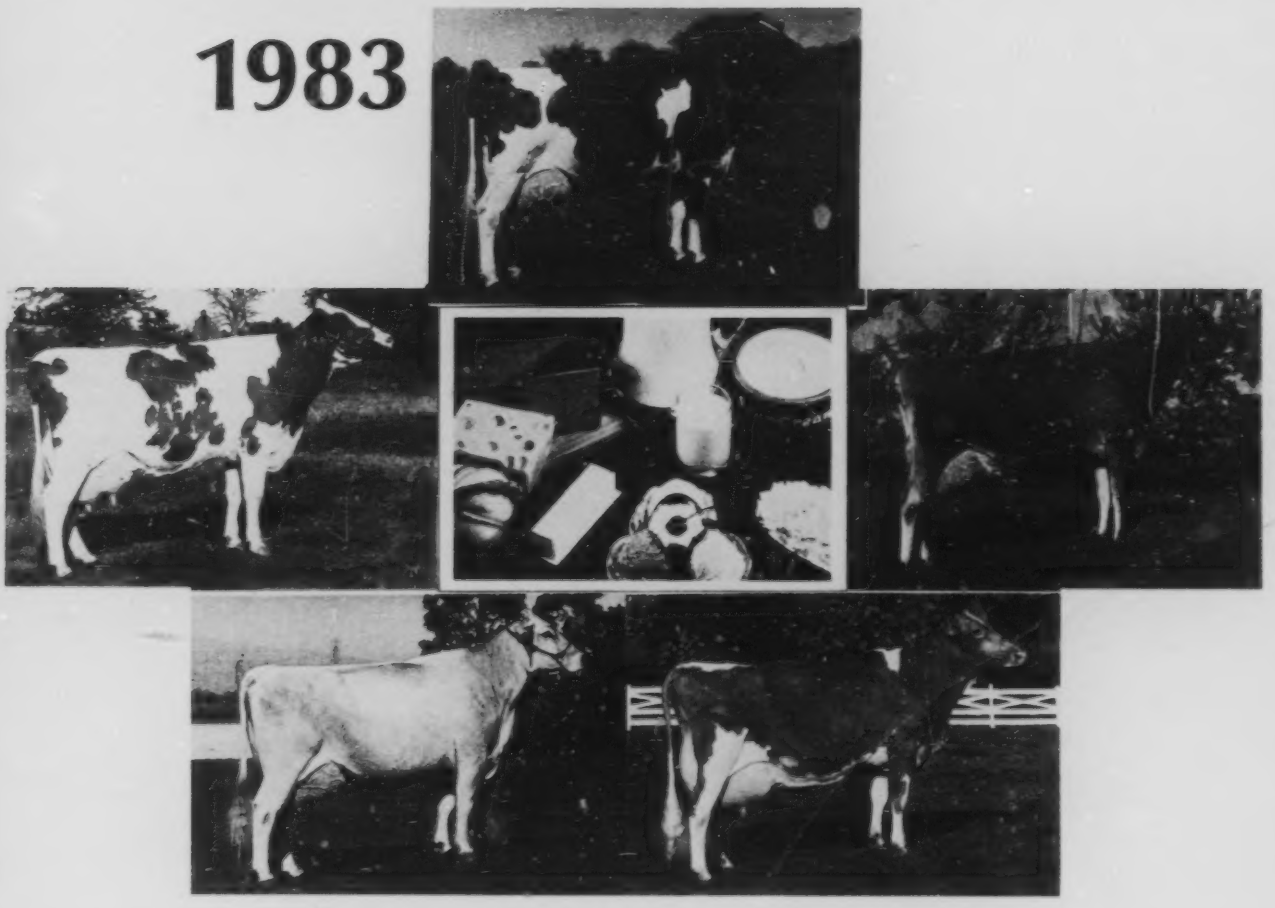
CALIFORNIA DAIRY INDUSTRY STATISTICS

1983



MANUFACTURED DAIRY PRODUCTS,
MILK PRODUCTION,
UTILIZATION AND PRICES

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FOREWORD

This is the fortieth annual report on Dairy Industry statistics issued by the California Crop and Livestock Reporting Service. It contains, for the year 1983, a summary of statistical data which was originally published monthly in the "Dairy Information Bulletin". Comparative figures for earlier years, and selected special reports relating to the Dairy Industry are also presented. All changes from previously published data represent either corrections of errors or revisions based on receipt of more complete information.

Most of the statistical data contained in this bulletin is based on reports filed by individuals and firms engaged in the production, manufacture, and distribution of milk and dairy products in California. Although it is not possible to list all of these reporters individually, their cooperation is acknowledged with appreciation.

Data pertaining to the United States and to states other than California were secured from various reports of the United States Department of Agriculture. Estimates of the population of California were obtained from reports of the California Department of Finance.

The invaluable assistance of the personnel of the Bureau of Milk Stabilization, Division of Marketing Services of the California Department of Food and Agriculture, in the compilation, organization, and presentation of data for this report is gratefully appreciated.

MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM MARKETINGS

On January 1, 1984, there were an estimated 960 thousand milk cows and heifers that had calved on farms in California. This was 20 thousand more than were estimated for January 1, 1983. The estimated number of cows milked during the year 1983 was 951 thousand. This compares with an average of 940 thousand head milked during the year 1982.

The average production of milk per cow in California during 1983 was 15,518 pounds. This was 63 pounds more than 1982. Total milk production during 1983 was 14,753 million pounds, 1.6 percent more than was produced during 1982.

Cash receipts from farm marketings of milk and cream in California during 1983 totaled approximately 1,948 million dollars. The comparable figure for 1982 was 1,941 million dollars. The increase in the annual average number of cows milked combined with the increase in average production per cow culminated in a record high production of milk in California during 1983. This production increase more than offset the effects of lower producer prices resulting in the increase in total cash receipts.

As of January 1, 1984, there was an estimated total of 11,064 thousand milk cows and heifers that had calved on farms throughout the United States. This was 11 thousand head or 0.1 percent less than the number estimated for January 1, 1983. The average number of cows milked during the year 1983 was 11,120 thousand head. This was 87 thousand head more than the average for 1982.

The average production of milk per cow in the United States during 1983 was 12,587 pounds. This was 278

TABLE 1. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, CALIFORNIA, 1965-1983

Year	Milk Cows & Heifers that have calved, on farms		Average Production per milk cow		Total Production on farms		Cash Receipts from farm marketings of dairy products 2/
	Jan. 1 Total 1/	Annual Average	Milk	Milk Fat	Milk	Milk Fat	
	(thousands)		(pounds)		(million pounds)		(thousand dollars)
1965	858	783	10,830	395	8,480	310	403,233
1966	849	774	11,112	403	8,601	312	424,366
1967	841	765	11,375	413	8,702	316	443,121
1968	833	754	11,869	427	8,949	322	470,528
1969	816	746	11,928	431	8,898	321	477,054
1970	750	755	12,526	450	9,457	340	534,049
1971	758	763	12,726	458	9,710	350	560,925
1972	766	778	13,368	479	10,400	372	608,082
1973	789	792	13,045	470	10,332	372	692,976
1974	810	797	13,295	479	10,596	381	894,347
1975	800	800	13,566	492	10,853	394	997,202
1976	810	811	14,282	514	11,583	417	1,089,142
1977	809	827	14,472	517	11,968	427	1,182,467
1978	846	846	14,018	506	11,859	428	1,227,584
1979	860	871	14,424	512	12,563	446	1,453,330
1980	878	896	15,153	547	13,577	490	1,770,324
1981	910	923	15,437	554	14,248	512	1,943,229
1982	941	940	15,455	561	14,528	527	1,941,197
1983	940	951	15,518	557	14,758	530	1,947,565
1984	960						

1/ Prior to January 1, 1970, milk cows and heifers, two years old or older.

2/ All milk and cream.

pounds above the 1982 figure and established a new record high in production per cow. Total milk production during 1983 was 139,968 million pounds, 4,166 million pounds more than in 1982.

Cash receipts from marketings of milk and cream in the United States during 1983 totaled approximately 18,808 million dollars. The comparable figure for 1982 was 18,273 million dollars.

California accounted for 10.5 percent of the milk produced in the United States during 1983 and received 10.4 percent of the cash receipts from farm marketings of milk and cream. California ranked second among the states in the average number of milk cows on farms during 1983. It also ranked second in production of milk per cow; second in total milk production; and second in cash receipts from farm marketings of milk and cream. While Washington had more milk production per cow; Wisconsin had more cows, produced more milk, and received more from farm marketings of milk and cream than did California.

Estimates of the number of milk cows and heifers that had calved on farms by county and by crop reporting district in California at the beginning of 1983 and 1984 are given in Table 4. Of the total of 962 thousand head on farms in the State on January 1, 1984, approximately 56 percent were in the San Joaquin Valley, 30 percent in Southern California, and 7 percent in the Central Coast Counties. The five leading counties were San Bernardino, Tulare, Stanislaus, Merced, and Riverside. Together these counties accounted for about 61 percent of all the milk cows in the State.

TABLE 2. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, UNITED STATES, 1965-1983

Year	Milk Cows & Heifers that have calved, on farms		Average Production per milk cow		Total Production on farms		Cash Receipts from farm marketings of dairy products 2/
	Jan. 1 Total 1/	Annual Average	Milk	Milk Fat	Milk	Milk Fat	
	(thousands)		(pounds)		(million pounds)		(thousand dollars)
1965	16,981	14,953	8,305	307	124,180	4,592	5,037,727
1966	15,973	14,071	8,522	314	119,912	4,426	5,533,398
1967	15,129	13,415	8,851	327	118,732	4,377	5,742,231
1968	14,456	12,832	9,135	335	117,225	4,305	5,957,282
1969	13,821	12,307	9,434	346	116,108	4,264	6,195,672
1970	13,303	12,000	9,747	357	116,962	4,283	6,525,163
1971	11,909	11,842	10,009	366	118,532	4,344	6,810,804
1972	11,778	11,698	10,250	377	119,904	4,408	7,134,676
1973	11,624	11,409	10,114	370	115,385	4,221	8,080,080
1974	11,286	11,219	10,300	378	115,553	4,238	9,430,140
1975	11,211	11,140	10,352	381	115,326	4,240	9,909,334
1976	11,087	11,055	10,879	399	120,269	4,406	11,428,455
1977	11,031	10,974	11,181	409	122,698	4,483	11,751,730
1978	10,939	10,841	11,218	412	121,609	4,462	12,689,783
1979	10,839	10,743	11,488	421	123,411	4,518	14,650,237
1980	10,769	10,810	11,889	434	128,525	4,696	16,583,532
1981	10,871	10,923	12,177	443	133,013	4,843	18,127,556
1982	11,029	11,033	12,309	450	135,802	4,963	18,272,758
1983	11,075	11,120	12,587	460	139,968	5,114	18,807,586
1984	11,064						

1/ Prior to January 1, 1970, milk cows and heifers, two years old or older.

2/ All milk and cream.

TABLE 3. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, BY STATES, 1983

State	Milk cows on farms 1/	Average production per milk cow		Total production on farms		Cash receipts from farm marketings of dairy products 2/
		Milk	Milk Fat	Milk	Milk Fat	
	(thousands)	(pounds)		(million pounds)		(thousand dollars)
Alabama	53	10,811	391	573	21	84,360
Alaska	1	13,500	477	14	1	2,802
Arizona	83	14,904	540	1,237	45	170,275
Arkansas	84	10,395	370	873	31	121,968
California	951	15,518	557	14,758	530	1,885,472
Colorado	76	12,987	464	987	35	134,398
Connecticut	49	13,347	487	654	24	90,720
Delaware	10	13,301	489	137	5	18,900
Florida	191	11,058	393	2,112	75	346,335
Georgia	129	10,814	394	1,395	51	200,100
Hawaii	12	11,920	408	149	5	28,869
Idaho	174	13,207	481	2,298	84	284,800
Illinois	228	11,868	439	2,706	100	361,125
Indiana	206	11,476	428	2,364	88	316,880
Iowa	385	11,270	415	4,339	160	557,964
Kansas	125	11,056	404	1,382	50	189,700
Kentucky	242	9,975	368	2,414	89	314,550
Louisiana	101	9,455	335	955	34	134,320
Maine	57	13,000	481	741	27	105,840
Maryland	123	13,049	480	1,605	59	222,880
Massachusetts	47	13,000	477	611	22	83,950
Michigan	404	13,683	501	5,528	202	735,760
Minnesota	899	12,139	441	10,913	396	1,402,049
Mississippi	94	9,394	344	883	32	123,540
Missouri	254	12,205	444	3,100	113	406,315
Montana	29	12,241	438	355	13	44,156
Nebraska	122	11,598	426	1,415	52	184,205
Nevada	17	14,192	500	237	8	31,088
New Hampshire	31	12,290	457	381	14	53,070
New Jersey	40	12,500	455	500	18	66,780
New Mexico	61	15,377	544	938	33	133,035
New York	940	12,437	450	11,691	423	1,557,690
North Carolina	133	12,865	472	1,711	63	245,088
North Dakota	100	10,670	386	1,067	39	129,000
Ohio	400	11,900	440	4,760	176	638,520
Oklahoma	110	10,664	384	1,173	42	158,200
Oregon	101	13,495	506	1,363	51	172,500
Pennsylvania	735	12,939	474	9,510	348	1,262,100
Rhode Island	4	12,778	466	46	2	6,090
South Carolina	48	11,938	464	573	22	84,630
South Dakota	166	11,018	400	1,829	66	234,522
Tennessee	215	10,465	386	2,250	83	293,760
Texas	334	11,946	426	3,990	142	565,645
Utah	86	13,628	478	1,172	41	143,964
Vermont	190	12,695	471	2,412	89	335,830
Virginia	172	12,035	440	2,070	76	284,950
Washington	216	16,120	588	3,482	127	441,560
West Virginia	37	10,270	375	380	14	49,368
Wisconsin	1,845	12,900	481	23,800	888	3,073,329
Wyoming	12	11,429	408	136	5	16,770
UNITED STATES 3/	11,122	12,587	460	139,968	5,114	18,529,722

1/ Average number during year, heifers that have not freshened excluded.

2/ All milk and cream.

3/ State totals may not add to U.S. totals because of rounding.

TABLE 4. NUMBER OF MILK COWS AND HEIFERS THAT HAVE CALVED ON FARMS IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 AND 1984 1/

County and District	1983	1984
Del Norte	2,000	2,000
Humboldt	14,300	14,000
Mendocino	1,000	1,000
North Coast	17,300	17,000
Shasta	1,300	1,200
Siskiyou	2,800	2,800
Trinity	---	---
North Central	4,100	4,000
Lassen	300	300
Modoc	100	50
Plumas	---	---
North East	400	350
Alameda	---	---
Contra Costa	2,700	2,900
Lake	---	---
Marin	14,000	14,000
Monterey	3,500	3,500
Napa	1,600	1,400
San Benito	1,300	1,300
San Francisco	---	---
San Luis Obispo	2,100	2,000
San Mateo	---	---
Santa Clara	4,200	5,100
Santa Cruz	600	300
Sonoma	36,000	38,500
Central Coast	66,000	69,000
Butte	1,400	1,500
Colusa	600	600
Glenn	13,300	12,600
Sacramento	20,000	21,200
Solano	1,300	1,600
Sutter	1,300	1,100
Tehama	3,100	3,400
Yolo	400	500
Yuba	1,600	1,200
Sacramento Valley	43,000	43,700

County and District	1983	1984
Fresno	54,000	51,000
Kern	19,000	18,000
Kings	58,000	59,000
Madera	16,000	18,000
Merced	91,000	98,000
San Joaquin	59,000	66,000
Stanislaus	104,000	102,000
Tulare	121,000	126,000
San Joaquin Valley	522,000	538,000
Alpine	---	---
Amador	50	50
Calaveras	50	50
El Dorado	50	100
Inyo	50	50
Mariposa	350	50
Mono	---	---
Nevada	50	50
Placer	550	550
Sierra	---	---
Tuolumne	50	50
Sierra Mountain	1,200	950
Imperial	500	500
Los Angeles	4,300	4,300
Orange	300	---
Riverside	92,000	96,000
San Bernardino	165,000	166,000
San Diego	17,000	15,000
Santa Barbara	4,400	4,400
Ventura	2,500	2,800
Southern California	286,000	289,000
STATE TOTAL	940,000	962,000

1/ Dairy cattle population estimated as of January 1 for each year.

COMMERCIAL PRODUCTION

Approximately 14,693 million pounds of milk were produced commercially in California during 1983. Of this amount, 14,105 million pounds were received as market grade milk and 589 million pounds were received as manufacturing grade milk. Between 1982 and 1983, the total commercial production increased 1.6 percent. Production of market grade milk increased 1.5 percent while the production of manufacturing grade milk was up 3.9 percent. Market grade milk accounted for 96.0 percent of all commercial production in 1983 compared to 96.1 percent in 1982 and 91.4 percent ten years earlier (1973).

The average milk fat content of all milk received at plants from producers in California during 1983 was 3.59 percent. That received as market milk contained an average of 3.59 percent milk fat while that received as manufacturing grade milk contained an average of 3.66 percent milk fat.

The commercial production of all milk fat in California during 1983 amounted to approximately 528 million pounds, 0.4 percent more than was produced during 1982. Market milk fat amounted to 95.9 percent of production in 1983 compared to 96.0 percent in 1982. Between 1982 and 1983, the production of market milk fat rose 0.3 percent, while that of manufacturing milk fat increased 2.9 percent.

The San Joaquin Valley accounted for 56.0 percent of all milk produced commercially in the State during 1983. It accounted for [illegible] percent of the market milk and 70.7 percent of the manufacturing milk. Approximately 30.9 percent of all milk and 32.1 percent of the market milk was produced in Southern California. The five leading counties in market milk production in the order of their importance during 1983 were: San Bernardino, Tulare, Riverside, Merced, and Stanislaus. These five counties accounted for 62.6 percent of the State's total production of market milk. The five leading counties in manufacturing milk production were: Stanislaus, Merced, Humboldt, San Joaquin and Glenn. These counties accounted for 83.4 percent of the State's total manufacturing milk production. The five leading counties in total milk production were: San Bernardino, Tulare, Merced, Stanislaus, and Riverside. They accounted for 62.6 percent of the State's total production during 1983.

TABLE 5. AVERAGE MILK-FAT TEST AND COMMERCIAL PRODUCTION OF MILK FAT AND WHOLE MILK IN CALIFORNIA, BY YEARS, 1966-1983

	Milk Fat			Average Milk-Fat Test			Whole Milk		
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
	(thousand pounds)			(percent)			(thousand pounds)		
1966	274,577	32,697	307,274	3.62	3.78	3.63	7,591,503	865,655	8,457,158
1967	277,547	33,115	310,662	3.61	3.78	3.63	7,685,955	876,187	8,562,142
1968	287,023	30,715	317,738	3.59	3.77	3.60	8,002,052	815,387	8,817,439
1969	287,435	30,081	317,516	3.61	3.76	3.62	7,970,766	799,438	8,770,204
1970	303,336	32,395	335,731	3.58	3.74	3.59	8,481,432	865,027	9,346,459
1971	309,103	36,549	345,652	3.59	3.73	3.60	8,614,289	979,836	9,594,125
1972	327,371	41,940	369,311	3.57	3.69	3.59	9,163,369	1,136,171	10,299,540
1973	335,933	32,646	368,579	3.59	3.71	3.60	9,354,250	879,237	10,233,487
1974	351,133	26,748	377,881	3.59	3.69	3.60	9,776,188	724,765	10,500,953
1975	364,795	25,960	390,755	3.63	3.73	3.63	10,060,384	695,507	10,755,891
1976	390,950	22,562	413,512	3.59	3.75	3.60	10,886,279	602,087	11,488,366
1977	405,943	18,958	424,901	3.57	3.71	3.57	11,377,410	510,659	11,888,069
1978	408,311	16,816	425,127	3.60	3.76	3.61	11,329,087	447,648	11,776,735
1979	426,183	16,881	443,064	3.54	3.67	3.55	12,029,199	459,453	12,488,652
1980	468,324	19,050	487,374	3.60	3.68	3.60	12,998,001	517,997	13,515,998
1981	490,629	19,147	509,776	3.59	3.68	3.59	13,666,750	519,852	14,186,602
1982	504,415	20,954	525,369	3.63	3.70	3.63	13,901,010	566,472	14,467,482
1983	506,076	21,556	527,632	3.59	3.66	3.59	14,104,674	588,819	14,693,493
1980									
January	38,243	1,269	39,512	3.77	3.85	3.77	1,014,994	32,966	1,047,960
February	36,327	1,296	37,623	3.78	3.79	3.78	960,850	34,235	995,085
March	38,785	1,640	40,425	3.71	3.72	3.71	1,046,680	44,080	1,090,760
April	38,095	1,688	39,783	3.57	3.61	3.57	1,068,761	46,808	1,115,569
May	39,745	1,751	41,496	3.49	3.55	3.49	1,139,069	49,289	1,188,358
June	38,705	1,725	40,430	3.46	3.54	3.47	1,117,692	48,690	1,166,382
July	39,770	1,793	41,563	3.46	3.54	3.46	1,150,354	50,667	1,201,021
August	39,893	1,740	41,633	3.46	3.57	3.47	1,152,392	48,749	1,201,141
September	39,389	1,626	41,015	3.55	3.68	3.55	1,109,830	44,114	1,153,944
October	40,256	1,641	41,897	3.62	3.75	3.62	1,113,181	43,738	1,156,919
November	38,918	1,471	40,389	3.70	3.82	3.70	1,052,867	38,479	1,091,346
December	40,198	1,410	41,608	3.75	3.90	3.76	1,071,331	36,182	1,107,513
1981									
January	40,742	1,289	42,031	3.73	3.82	3.73	1,092,700	33,747	1,126,447
February	37,170	1,265	38,435	3.70	3.75	3.70	1,003,935	33,701	1,037,636
March	41,807	1,618	43,425	3.67	3.73	3.67	1,139,926	43,358	1,183,284
April	40,509	1,702	42,211	3.57	3.67	3.58	1,133,361	46,336	1,179,697
May	41,158	1,766	42,924	3.47	3.56	3.47	1,187,496	49,600	1,237,096
June	39,331	1,694	41,025	3.43	3.50	3.43	1,148,086	48,359	1,196,445
July	41,233	1,729	42,962	3.42	3.51	3.42	1,206,767	49,196	1,255,963
August	41,527	1,728	43,255	3.48	3.58	3.48	1,192,975	48,235	1,241,210
September	40,474	1,584	42,058	3.53	3.66	3.54	1,146,299	43,242	1,189,541
October	42,756	1,602	44,358	3.65	3.79	3.65	1,171,405	42,254	1,213,659
November	41,121	1,624	42,745	3.71	3.85	3.71	1,108,614	42,186	1,150,800
December	42,801	1,546	44,347	3.77	3.90	3.77	1,135,186	39,638	1,174,824
1982									
January	43,339	1,471	44,810	3.84	3.90	3.84	1,129,277	37,705	1,166,982
February	39,323	1,404	40,727	3.76	3.80	3.76	1,045,930	36,987	1,082,917
March	43,916	1,642	45,558	3.71	3.74	3.71	1,184,112	43,884	1,227,996
April	42,067	1,746	43,813	3.68	3.73	3.68	1,142,316	46,853	1,189,169
May	41,383	1,853	43,236	3.51	3.57	3.51	1,180,426	51,898	1,232,324
June	40,986	1,778	42,764	3.47	3.55	3.47	1,182,088	50,110	1,232,198
July	42,306	1,974	44,280	3.47	3.52	3.47	1,220,688	56,099	1,276,787
August	42,312	1,965	44,277	3.48	3.56	3.48	1,216,282	55,166	1,271,448
September	41,167	1,838	43,005	3.54	3.64	3.54	1,164,261	50,460	1,214,721
October	42,789	1,822	44,611	3.62	3.74	3.63	1,180,355	48,693	1,229,048
November	41,682	1,712	43,394	3.73	3.87	3.73	1,118,279	44,219	1,162,498
December	43,146	1,749	44,895	3.80	3.94	3.80	1,136,998	44,397	1,181,395
1983									
January	43,120	1,610	44,730	3.78	3.90	3.78	1,141,702	41,319	1,183,021
February	38,946	1,453	40,399	3.76	3.83	3.77	1,034,652	37,916	1,072,568
March	42,681	1,978	44,659	3.71	3.80	3.71	1,151,288	52,118	1,203,406
April	41,486	1,971	43,457	3.58	3.63	3.59	1,156,920	54,272	1,211,192
May	43,073	2,008	45,081	3.50	3.55	3.51	1,228,913	56,541	1,285,454
June	41,203	1,963	43,166	3.40	3.48	3.40	1,212,874	56,340	1,269,214
July	43,261	1,931	45,192	3.42	3.46	3.42	1,264,684	55,722	1,320,406
August	42,646	1,929	44,575	3.45	3.50	3.45	1,235,490	55,031	1,290,521
September	41,024	1,804	42,828	3.48	3.56	3.48	1,179,005	50,628	1,229,633
October	43,184	1,708	44,892	3.58	3.67	3.58	1,206,435	46,590	1,253,025
November	42,122	1,623	43,745	3.68	3.85	3.69	1,142,882	42,161	1,185,043
December	43,330	1,578	44,908	3.77	3.93	3.77	1,149,829	40,181	1,190,010

TABLE 6. COMMERCIAL PRODUCTION OF MILK AND MILK FAT AND AVERAGE MILK FAT TEST IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	Milk			Milk Fat			Average Milk Fat Test 1/		
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
	(thousand pounds)			(thousand pounds)			(percent)		
Del Norte	12,333	8,252	20,585	477	367	844	3.87	4.45	4.10
Humboldt	150,443	60,787	211,230	5,775	2,631	8,406	3.84	4.33	3.98
Mendocino	10,184	---	10,184	426	---	426	4.18	---	4.18
North Coast	172,960	69,039	241,999	6,678	2,998	9,676	3.86	4.34	4.00
Shasta	16,442	---	16,442	597	---	597	3.63	---	3.63
Siskiyou	31,060	7	31,067	1,170	---	1,170	3.76	3.54	3.76
Trinity	---	---	---	---	---	---	---	---	---
North Central	47,502	7	47,509	1,767	---	1,767	3.72	3.54	3.72
Lassen	2,165	10	2,175	80	---	80	3.71	3.68	3.71
Modoc	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---
North East	2,165	10	2,175	80	---	80	3.71	3.68	3.71
Alameda	63	2,807	2,870	2	97	99	3.71	3.46	3.47
Contra Costa	49,354	41	49,395	1,756	2	1,758	3.56	3.67	3.56
Lake	---	---	---	---	---	---	---	---	---
Marin	218,057	2,892	220,949	7,867	101	7,968	3.61	3.50	3.61
Monterey	66,262	68	66,330	2,416	2	2,418	3.65	3.72	3.65
Napa	17,296	---	17,296	635	---	635	3.67	---	3.67
San Benito	17,481	114	17,595	637	5	642	3.64	3.70	3.64
San Francisco	---	---	---	---	---	---	---	---	---
San Luis Obispo	36,106	---	36,106	1,277	---	1,277	3.54	---	3.54
San Mateo	---	---	---	---	---	---	---	---	---
Santa Clara	66,290	1,395	67,685	2,303	47	2,350	3.47	3.39	3.47
Santa Cruz	7,140	413	7,553	265	15	280	3.71	3.54	3.70
Sonoma	469,129	7,323	476,452	17,012	279	17,291	3.63	3.81	3.63
Central Coast	947,178	15,053	962,231	34,170	548	34,718	3.61	3.64	3.66
Butte	23,568	3,022	26,590	872	109	981	3.70	3.61	3.69
Colusa	6,194	167	6,361	224	6	230	3.61	3.90	3.62
Glenn	144,202	42,112	186,314	5,340	1,538	6,878	3.70	3.65	3.69
Sacramento	286,148	19,591	305,739	10,585	704	11,289	3.70	3.59	3.69
Solano	22,014	80	22,094	786	3	789	3.57	3.78	3.57
Sutter	11,595	1,618	13,213	422	64	486	3.64	3.96	3.68
Tehama	44,352	6,649	51,001	1,617	249	1,866	3.65	3.75	3.66
Yolo	8,211	---	8,211	300	---	300	3.65	---	3.65
Yuba	19,664	3,382	23,046	793	138	931	4.04	4.07	4.04
Sacramento Valley	565,948	76,621	642,569	20,939	2,811	23,750	3.70	3.67	3.70
Fresno	761,765	6,279	768,044	27,526	224	27,750	3.61	3.57	3.61
Kern	278,341	221	278,562	9,954	8	9,962	3.58	3.41	3.58
Kings	866,964	3,245	870,209	31,375	119	31,494	3.62	3.67	3.62
Madera	246,545	6,533	253,078	8,940	237	9,177	3.63	3.63	3.63
Merced	1,405,531	154,564	1,560,095	51,556	5,477	57,033	3.67	3.54	3.66
San Joaquin	948,852	44,582	993,434	34,265	1,602	35,867	3.61	3.59	3.61
Stanislaus	1,361,059	189,368	1,550,427	49,578	6,700	56,278	3.64	3.54	3.63
Tulare	1,959,562	11,390	1,970,952	71,037	411	71,448	3.62	3.61	3.62
San Joaquin Valley	7,828,619	416,182	8,244,801	284,231	14,778	299,009	3.63	3.55	3.63
Alpine	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---
El Dorado	999	---	999	36	---	36	3.65	---	3.65
Inyo	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---
Placer	12,574	75	12,649	446	3	449	3.54	3.90	3.55
Sierra	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---
Sierra Mountain	13,573	75	13,648	482	3	485	3.55	3.90	3.55
Imperial	7,010	---	7,010	261	---	261	3.73	---	3.72
Los Angeles	38,732	166	38,898	1,407	6	1,413	3.63	3.50	3.63
Orange	---	---	---	---	---	---	---	---	---
Riverside	1,492,227	4,427	1,496,654	51,962	160	52,122	3.48	3.60	3.48
San Bernardino	2,621,882	2,087	2,623,969	91,235	72	91,307	3.48	3.42	3.48
San Diego	253,029	270	253,299	8,848	10	8,858	3.50	3.54	3.50
Santa Barbara	67,016	49	67,065	2,401	2	2,403	3.58	3.82	3.58
Ventura	46,833	4,833	51,666	1,615	168	1,783	3.45	3.50	3.45
So. California	4,526,729	11,832	4,538,561	157,729	418	158,147	3.48	3.53	3.48
STATE	**14,104,674**	**588,819**	**14,693,493**	**506,076**	**21,556**	**527,632**	**3.59**	**3.66**	**3.59**

1/ Computed from data before rounding to thousands of pounds.

TABLE 7. COMMERCIAL PRODUCTION OF ALL MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	1,239,000	1,076,804	1,435,286	1,704,954	2,099,837	2,081,612	2,187,138	2,099,418	1,866,440	1,868,567	1,529,971	1,395,609
Humboldt	10,411,608	9,847,830	15,144,452	20,345,760	23,974,369	23,372,796	23,405,185	21,456,854	18,812,293	17,578,706	14,889,014	11,991,891
Mendocino	749,349	700,310	843,093	885,563	1,003,443	920,518	901,100	938,147	897,255	857,700	769,739	717,820
North Coast	12,399,957	11,624,944	17,422,831	22,936,277	27,077,649	26,374,926	26,493,423	24,494,419	21,575,988	20,304,973	17,188,724	14,105,320
Shasta	1,432,067	1,302,758	1,424,080	1,415,185	1,422,379	1,367,559	1,392,030	1,402,094	1,299,286	1,344,926	1,294,212	1,345,325
Siskiyou	478,714	2,538,761	2,901,224	2,792,523	2,988,871	2,942,074	2,959,445	2,826,798	2,663,926	2,705,921	2,588,621	2,680,893
Trinity	---	---	---	---	---	---	---	---	---	---	--	---
North Central	1,910,781	3,841,519	4,325,304	4,207,708	4,411,250	4,309,633	4,351,475	4,228,892	3,963,212	4,050,847	3,882,833	4,026,218
Lassen	190,263	161,578	183,513	187,490	190,212	174,036	198,939	197,143	162,795	178,241	178,742	171,566
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	190,263	161,578	183,513	187,490	190,212	174,036	198,939	197,143	162,795	178,241	178,742	171,566
Alameda	---	262,317	299,210	247,907	321,670	258,389	241,068	264,629	263,411	265,593	252,193	193,565
Contra Costa	3,923,956	3,604,525	4,163,427	3,990,196	4,180,215	4,163,082	4,255,769	4,298,311	3,948,424	4,324,188	4,267,204	4,275,646
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	18,209,829	16,493,292	18,383,175	18,595,068	19,498,833	18,746,343	19,260,370	19,152,139	18,175,549	18,595,026	17,778,970	18,061,064
Monterey	5,073,639	4,491,345	4,994,064	5,240,444	5,672,811	5,769,246	6,143,992	6,253,755	5,926,926	5,982,765	5,574,812	5,205,328
Napa	1,447,917	1,261,898	1,340,962	1,355,336	1,432,017	1,442,707	1,821,148	1,549,553	1,424,757	1,501,917	1,371,774	1,345,685
San Benito	1,477,303	1,347,132	1,452,519	1,375,591	1,251,585	1,404,852	1,632,167	1,654,918	1,508,925	1,498,743	1,503,899	1,487,243
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,873,566	2,596,236	2,944,034	2,980,918	3,237,543	3,216,448	3,037,848	3,359,411	3,173,119	3,093,204	2,765,390	2,828,655
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,083,545	4,625,280	5,277,525	5,192,022	5,442,609	5,370,964	6,116,173	6,635,159	6,219,110	5,877,698	5,770,427	6,075,463
Santa Cruz	778,910	673,679	719,376	619,438	640,823	598,716	598,876	584,519	565,348	581,619	585,332	606,059
Sonoma	38,785,284	35,449,026	39,388,077	39,372,080	42,014,976	40,355,048	41,820,516	41,869,883	39,263,260	40,236,960	38,650,386	39,245,752
Central Coast	77,653,949	70,804,730	78,962,369	78,969,000	83,693,082	81,325,795	84,927,927	85,622,277	80,468,829	81,957,713	78,520,387	79,324,460
Butte	2,018,131	1,922,782	2,242,740	2,211,726	2,278,644	2,313,100	2,463,774	2,470,748	2,357,455	2,218,839	2,036,130	2,055,798
Colusa	522,690	479,818	504,886	528,555	523,102	508,573	547,898	552,114	542,781	546,190	537,434	567,178
Glenn	14,530,470	13,303,227	15,255,345	15,923,632	16,827,919	16,699,140	17,491,572	17,062,250	15,630,881	15,532,687	14,383,743	13,673,711
Sacramento	23,587,584	22,762,082	24,872,183	25,192,369	26,462,686	26,484,045	27,781,194	27,532,865	25,858,551	26,236,690	24,382,148	24,587,122
Solano	1,740,920	1,587,590	1,774,514	1,737,332	1,820,588	1,789,346	1,918,332	1,965,976	1,817,535	1,801,954	1,876,666	2,262,966
Sutter	1,171,021	995,058	1,142,433	1,077,011	1,197,240	1,198,611	1,234,294	1,126,730	1,045,001	1,055,588	972,113	997,468
Tehama	3,945,524	3,530,931	3,995,355	4,053,777	4,354,900	4,401,874	4,551,720	4,637,098	4,377,792	4,617,765	4,308,316	4,224,748
Yolo	706,094	663,918	722,884	859,525	659,776	571,987	615,640	598,055	633,304	716,243	713,600	750,258
Yuba	2,679,656	2,085,979	2,262,254	1,629,496	1,870,563	1,888,864	1,886,060	1,908,476	1,800,035	1,762,495	1,620,875	1,651,429
Sacramento Valley	50,902,090	47,331,385	52,772,594	53,213,423	55,995,418	55,855,540	58,490,484	57,854,312	54,063,335	54,488,451	50,831,025	50,770,678

CONTINUED

TABLE 7. COMMERCIAL PRODUCTION OF ALL MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	63,817,694	56,301,054	62,732,877	61,085,425	67,179,218	67,041,610	68,941,072	67,546,805	64,459,567	65,282,432	61,353,687	62,302,417
Kern	23,411,728	21,443,431	24,185,123	23,554,258	24,393,250	23,951,966	24,836,575	23,858,865	21,877,206	23,042,534	21,691,278	22,315,410
Kings	68,090,410	62,397,793	71,010,824	72,725,946	73,952,677	73,740,889	78,428,038	77,363,166	73,995,335	75,361,429	71,551,671	71,589,999
Madera	19,633,190	17,906,654	20,299,397	20,238,614	21,867,578	21,973,177	22,927,869	22,813,054	21,085,146	21,406,777	21,654,577	21,272,804
Merced	119,816,310	109,764,974	122,598,839	125,929,931	134,177,315	134,786,397	143,161,219	142,061,207	135,463,087	135,932,885	127,336,204	129,067,391
San Joaquin	77,206,025	71,603,076	85,079,530	81,464,163	85,915,608	86,622,470	91,595,681	89,287,529	86,540,547	83,761,731	76,882,631	77,475,144
Stanislaus	125,582,944	113,851,215	126,715,849	126,873,187	136,231,037	135,984,994	139,854,919	138,856,396	127,534,127	129,861,272	123,884,342	125,197,152
Tulare	156,149,385	142,538,682	161,246,520	161,335,661	173,845,573	172,271,798	178,231,980	171,968,756	166,333,232	169,187,159	158,821,216	159,022,202
San Joaquin Valley	653,707,686	595,806,879	673,868,959	673,207,185	717,562,256	716,373,301	747,977,353	733,755,778	697,288,247	703,836,219	663,175,606	668,242,519
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	63,992	65,035	78,919	83,811	86,526	80,226	81,916	97,845	91,700	91,874	86,409	90,200
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	1,048,115	945,726	1,029,815	1,064,802	1,102,168	1,086,594	1,122,615	1,099,209	1,067,878	1,082,209	1,029,735	970,597
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	1,112,107	1,010,761	1,108,734	1,148,613	1,188,694	1,166,820	1,204,531	1,197,054	1,159,578	1,174,083	1,116,144	1,060,797
Imperial	618,992	604,513	746,896	750,615	771,083	731,681	628,983	488,117	371,230	447,912	394,311	455,517
Los Angeles	3,258,937	2,972,285	3,301,073	3,264,103	3,324,301	3,367,342	3,354,058	3,334,950	3,262,867	3,211,233	3,087,812	3,158,575
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	126,694,526	112,438,272	122,152,287	122,375,399	128,198,043	124,000,225	128,783,383	129,548,736	124,488,553	129,731,226	123,037,178	125,206,038
San Bernardino	220,483,709	195,392,299	214,914,949	216,941,918	231,915,001	225,300,593	232,766,812	219,803,491	213,735,217	223,151,122	214,529,274	215,034,747
San Diego	24,272,659	21,753,860	23,790,923	24,233,323	20,544,551	19,947,219	20,894,327	19,812,651	19,138,217	20,266,869	19,386,399	19,257,989
Santa Barbara	5,590,442	4,908,299	5,606,673	5,614,930	6,067,952	5,769,190	6,089,124	6,023,560	5,475,814	5,517,836	5,260,676	5,140,465
Ventura	4,224,626	3,915,954	4,248,562	4,141,750	4,513,573	4,517,771	4,244,896	4,160,515	4,479,830	4,708,519	4,453,916	4,055,626
Southern California	385,143,891	341,985,482	374,761,363	377,322,538	395,334,509	383,634,021	396,761,583	383,172,020	370,951,728	387,034,717	370,149,566	372,308,957
STATE TOTALS	1,183,020,724	1,072,567,278	1,203,405,667	1,211,192,234	1,285,453,070	1,269,214,072	1,320,405,715	1,290,521,895	1,229,633,712	1,253,025,244*	1,185,043,027	1,190,010,515

TABLE 8. · COMMERCIAL PRODUCTION OF MARKET MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	880,022	789,004	907,513	934,782	1,095,426	1,095,667	1,209,430	1,197,497	1,071,192	1,138,962	1,000,416	1,012,597
Humboldt	8,480,140	7,965,306	10,769,538	14,020,223	16,515,449	16,004,716	16,119,182	14,922,721	13,074,117	12,291,106	10,958,304	9,322,601
Mendocino	749,349	700,310	843,093	885,563	1,003,443	920,518	901,100	938,147	897,255	857,700	769,739	717,820
North Coast	10,109,511	9,454,620	12,520,144	15,840,568	18,614,318	18,020,901	18,229,712	17,058,365	15,042,564	14,287,768	12,728,459	11,053,018
Shasta	1,432,067	1,302,758	1,424,080	1,415,185	1,422,379	1,367,559	1,392,030	1,402,094	1,299,286	1,344,926	1,294,212	1,345,325
Siskiyou	478,714	2,538,761	2,901,224	2,792,523	2,988,871	2,942,074	2,959,445	2,826,798	2,663,926	2,698,452	2,588,621	2,680,893
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	1,910,781	3,841,519	4,325,304	4,207,708	4,411,250	4,309,633	4,351,475	4,228,892	3,963,212	4,043,378	3,882,833	4,026,218
Lassen	190,263	161,578	183,513	187,490	190,212	174,036	198,939	197,143	153,264	178,241	178,742	171,566
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	190,263	161,578	183,513	187,490	190,212	174,036	198,939	197,143	153,264	178,241	178,742	171,566
Alameda	---	---	---	---	52,000	---	---	---	10,916	---	---	---
Contra Costa	3,923,956	3,604,525	4,163,427	3,990,196	4,180,215	4,163,082	4,247,200	4,298,311	3,916,392	4,324,188	4,267,204	4,275,646
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	18,010,284	16,270,506	18,153,611	18,386,284	19,251,312	18,322,331	19,034,151	18,801,806	17,973,987	18,380,035	17,586,691	17,886,220
Monterey	5,061,093	4,491,345	4,980,317	5,240,444	5,672,811	5,769,246	6,143,992	6,233,559	5,926,926	5,961,637	5,574,812	5,205,328
Napa	1,447,917	1,261,898	1,340,962	1,355,336	1,432,017	1,442,707	1,821,148	1,549,553	1,424,757	1,501,917	1,371,774	1,345,685
San Benito	1,453,165	1,347,132	1,434,837	1,346,501	1,236,534	1,397,381	1,632,167	1,654,918	1,508,925	1,478,226	1,503,899	1,487,243
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,873,566	2,596,236	2,944,034	2,980,918	3,237,543	3,216,448	3,037,848	3,359,411	3,173,119	3,093,204	2,765,390	2,828,655
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,083,545	4,625,280	5,277,525	5,192,022	5,442,609	5,370,964	6,109,421	6,103,319	5,711,484	5,867,373	5,770,427	5,736,612
Santa Cruz	670,234	587,799	650,034	570,561	590,519	554,534	592,999	584,519	565,348	581,619	585,332	606,059
Sonoma	38,338,101	35,005,288	38,585,544	38,616,039	41,387,112	39,654,473	41,219,430	41,315,983	38,734,622	39,533,863	38,038,454	38,699,754
Central Coast	76,861,861	69,790,009	77,530,291	77,678,301	82,482,672	79,891,166	83,838,356	83,901,379	78,946,476	80,722,062	77,463,983	78,071,202
Butte	1,784,053	1,695,852	1,941,236	1,894,318	1,984,557	2,024,198	2,185,428	2,205,601	2,118,716	1,989,646	1,844,303	1,900,325
Colusa	507,404	464,999	485,746	507,827	508,173	494,117	533,768	538,654	530,661	534,873	528,471	559,285
Glenn	11,481,597	10,490,856	11,764,443	12,111,054	12,880,032	12,704,773	13,304,515	12,658,546	12,255,617	12,277,677	11,396,494	10,876,729
Sacramento	22,341,428	20,567,277	23,171,882	23,246,332	24,418,982	24,572,950	25,736,348	25,588,402	24,294,317	24,877,983	23,525,448	23,806,767
Solano	1,730,002	1,587,590	1,721,912	1,737,332	1,811,038	1,789,346	1,918,332	1,965,976	1,814,098	1,801,954	1,876,666	2,259,426
Sutter	1,073,582	900,594	1,001,499	944,884	1,021,370	1,025,961	1,067,838	968,167	902,231	917,923	866,524	904,492
Tehama	3,404,442	3,057,486	3,470,188	3,502,872	3,701,961	3,821,847	3,965,591	4,030,144	3,815,654	4,024,197	3,731,922	3,825,081
Yolo	706,094	663,918	722,884	859,525	659,776	571,987	615,640	598,055	633,304	716,243	713,600	750,258
Yuba	1,582,766	1,416,395	1,524,125	1,553,342	1,761,203	1,781,269	1,776,233	1,802,557	1,717,378	1,591,288	1,559,744	1,597,601
Sacramento Valley	44,611,368	40,844,967	45,803,915	46,357,486	48,747,092	48,786,448	51,103,693	50,356,102	48,081,976	48,731,784	46,043,172	46,479,964

CONTINUED

TABLE 8. COMMERCIAL PRODUCTION OF MARKET MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	63,335,637	55,629,483	61,921,352	60,636,898	66,669,390	66,689,229	68,516,458	67,119,892	63,711,947	64,979,465	60,817,612	61,737,152
Kern	23,411,728	21,423,465	24,185,123	23,554,258	24,393,250	23,937,767	24,836,575	23,768,762	21,796,286	23,042,534	21,675,716	22,315,410
Kings	67,851,968	62,113,939	69,980,430	72,263,578	73,852,297	73,509,116	78,408,000	76,829,500	73,864,848	75,307,633	71,435,150	71,547,227
Madera	19,092,344	17,328,466	19,138,002	19,813,352	21,405,755	21,519,151	22,473,566	21,982,928	20,651,855	20,975,073	21,254,608	20,910,747
Merced	110,277,860	101,530,259	114,245,052	111,960,330	119,417,064	120,119,690	127,569,982	127,033,789	120,946,049	121,980,223	114,380,269	116,070,809
San Joaquin	74,341,362	68,090,332	76,641,771	76,021,651	81,545,146	83,376,236	87,518,680	86,341,452	83,924,298	81,331,062	74,487,770	75,232,226
Stanislaus	109,397,784	100,281,007	110,433,186	111,377,441	118,794,628	118,072,984	122,885,069	122,091,085	111,665,929	115,144,212	109,654,212	111,261,798
Tulare	154,976,955	142,105,161	159,801,880	159,470,760	173,110,281	170,822,773	177,602,422	170,820,968	165,812,742	168,426,542	158,399,416	158,211,936
San Joaquin Valley	622,685,638	568,502,112	636,346,796	635,098,268	679,187,811	678,046,946	709,810,752	695,988,376	662,373,954	671,186,744	632,104,753	637,287,305
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	63,992	65,035	78,919	83,811	86,526	80,226	81,916	97,845	91,700	91,874	86,409	90,200
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	987,028	945,726	1,029,815	1,064,802	1,102,168	1,072,576	1,122,615	1,099,209	1,067,878	1,082,209	1,029,735	970,597
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	1,051,020	1,010,761	1,108,734	1,148,613	1,188,694	1,152,802	1,204,531	1,197,054	1,159,578	1,174,083	1,116,144	1,060,797
Imperial	618,992	604,513	746,896	750,615	271,083	731,681	628,983	488,117	371,230	447,912	394,311	455,517
Los Angeles	3,258,937	2,972,285	3,301,073	3,264,103	3,334,301	3,367,342	3,354,058	3,334,950	3,109,472	3,211,233	3,075,856	3,158,575
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	126,310,472	112,017,614	121,633,108	122,096,939	127,755,931	123,526,379	128,353,810	129,298,572	124,031,994	129,526,022	122,872,351	124,803,484
San Bernardino	220,375,239	195,232,688	214,678,810	216,688,926	231,741,707	225,064,551	232,643,691	219,637,652	213,343,023	223,015,048	214,477,755	214,982,898
San Diego	24,240,070	21,710,502	23,723,597	24,168,897	20,522,040	19,921,299	20,894,327	19,799,141	19,138,217	20,266,869	19,386,399	19,257,989
Santa Barbara	5,569,074	4,908,299	5,606,673	5,614,930	6,067,952	5,769,190	6,089,124	5,995,669	5,475,814	5,517,836	5,260,676	5,140,465
Ventura	3,908,340	3,600,268	3,778,991	3,817,264	3,907,602	4,111,428	3,982,810	4,009,144	3,814,602	4,126,205	3,896,316	3,880,026
Southern California	384,281,124	341,046,169	373,469,148	376,401,674	394,090,616	382,491,870	395,946,803	382,563,245	369,284,352	386,111,125	369,363,664	371,678,954
STATE TOTALS	1,141,701,566	1,034,651,735	1,151,287,845	1,156,920,108	1,228,912,665	1,212,873,802	1,264,684,261	1,235,490,556	1,179,005,376	1,206,435,185	1,142,881,750	1,149,829,024

TABLE 9. COMMERCIAL PRODUCTION OF MANUFACTURING MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	358,978	287,800	527,773	770,172	1,004,411	985,945	977,708	901,921	795,248	729,605	529,555	383,012
Humboldt	1,931,468	1,882,524	4,374,914	6,325,537	7,458,920	7,368,080	7,286,003	6,534,133	5,738,176	5,287,600	3,930,710	2,669,290
Mendocino	---	---	---	---	---	---	---	---	---	---	---	---
North Coast	2,290,446	2,170,324	4,902,687	7,095,709	8,463,331	8,354,025	8,263,711	7,436,054	6,533,424	6,017,205	4,460,265	3,052,302
Shasta	---	---	---	---	---	---	---	---	---	---	---	---
Siskiyou	---	---	---	---	---	---	---	---	---	7,469	---	---
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	---	---	---	---	---	---	---	---	---	7,469	---	---
Lassen	---	---	---	---	---	---	---	---	9,531	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	9,531	---	---	---
Alameda	---	262,317	299,210	247,907	269,670	258,389	241,068	264,629	252,495	265,593	252,193	193,565
Contra Costa	---	---	---	---	---	---	8,569	---	32,032	---	---	---
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	199,545	222,786	229,564	208,784	247,521	424,012	226,219	350,333	201,562	214,991	192,279	174,844
Monterey	12,546	---	13,747	---	---	---	---	20,196	---	21,128	---	---
Napa	---	---	---	---	---	---	---	---	---	---	---	---
San Benito	24,138	---	17,682	29,090	15,051	7,471	---	---	---	20,517	---	---
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	---	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	---	---	---	6,752	531,840	507,626	10,325	---	338,851
Santa Cruz	108,676	85,880	69,342	48,877	50,304	44,182	5,877	---	---	---	---	---
Sonoma	447,183	443,738	802,533	756,041	627,864	700,575	601,086	553,900	528,638	703,097	611,932	545,998
Central Coast	792,088	1,014,721	1,432,078	1,290,699	1,210,410	1,434,629	1,089,571	1,720,898	1,522,353	1,235,651	1,056,404	1,253,258
Butte	234,078	226,930	301,504	317,408	294,087	288,902	278,346	265,147	238,739	229,193	191,827	155,473
Colusa	15,286	14,819	19,140	20,728	14,929	14,456	14,130	13,460	12,120	11,317	8,963	7,893
Glenn	3,048,873	2,812,371	3,490,902	3,812,578	3,947,887	3,994,367	4,187,057	4,403,704	3,375,264	3,255,010	2,987,249	2,796,982
Sacramento	1,246,156	2,194,805	1,700,301	1,946,037	2,043,704	1,911,095	2,044,846	1,944,463	1,564,234	1,358,707	856,700	780,355
Solano	10,918	---	52,602	---	9,550	---	---	---	3,437	---	---	3,540
Sutter	97,439	94,464	140,934	132,127	175,870	172,650	166,456	158,563	142,770	137,665	105,589	92,976
Tehama	541,082	473,445	525,167	550,905	652,939	580,027	586,129	606,954	562,138	593,568	576,394	399,667
Yolo	---	---	---	---	---	---	---	---	---	---	---	---
Yuba	1,096,890	669,584	738,129	76,154	109,360	107,595	109,827	105,919	82,657	171,207	61,131	53,828
Sacramento Valley	6,290,722	6,486,418	6,968,679	6,855,937	7,248,326	7,069,092	7,386,791	7,498,210	5,981,359	5,756,667	4,787,853	4,290,714

CONTINUED

TABLE 9. COMMERCIAL PRODUCTION OF MANUFACTURING MILK IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	482,057	671,371	811,525	448,527	509,828	352,381	424,614	426,913	747,620	302,967	536,075	565,265
Kern	---	19,966	---	---	---	14,199	---	90,103	80,920	---	15,562	---
Kings	238,442	283,854	1,030,394	462,368	100,380	231,773	20,038	533,666	130,487	53,796	116,521	42,772
Madera	540,846	578,188	1,161,395	425,262	461,823	454,026	454,303	830,126	433,291	431,704	399,969	362,057
Merced	9,538,450	8,234,715	8,353,787	13,969,601	14,760,251	14,666,707	15,591,237	15,027,418	14,517,038	13,952,662	12,955,935	12,996,582
San Joaquin	2,864,663	3,512,744	8,437,759	5,442,512	4,370,462	3,246,234	4,077,001	2,946,077	2,616,249	2,430,669	2,394,861	2,242,918
Stanislaus	16,185,160	13,570,208	16,282,663	15,495,746	17,436,409	17,912,010	16,969,850	16,765,311	15,868,198	14,717,060	14,230,130	13,935,354
Tulare	1,172,430	433,521	1,444,640	1,864,901	735,292	1,449,025	629,558	1,147,788	520,490	760,617	421,800	810,266
San Joaquin Valley	31,022,048	27,304,767	37,522,163	38,108,917	38,374,445	38,326,355	38,166,601	37,767,402	34,914,293	32,649,475	31,070,853	30,955,214
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	61,087	---	---	---	---	14,018	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	61,087	---	---	---	---	14,018	---	---	---	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	---	---	---	---	---	153,395	---	11,956	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	384,054	420,658	519,179	278,460	442,117	473,846	429,573	250,164	456,559	205,204	164,827	402,554
San Bernardino	108,470	159,611	236,139	252,992	173,294	236,042	123,121	165,839	392,194	136,074	51,519	51,849
San Diego	32,589	43,358	67,326	64,926	22,511	25,920	---	13,510	---	---	---	---
Santa Barbara	21,368	---	---	---	---	---	---	27,891	---	---	---	---
Ventura	316,286	315,686	469,571	324,486	605,971	406,343	262,086	151,371	665,228	582,314	557,600	175,600
Southern California	862,767	939,313	1,292,215	920,864	1,243,893	1,142,151	814,780	608,775	1,667,376	923,592	785,902	630,003
STATE TOTALS	41,319,158	37,915,543	52,117,822	54,272,126	56,540,405	56,340,270	55,721,454	55,031,339	50,628,336	46,590,059	42,161,277	40,181,491

TABLE 10. COMMERCIAL PRODUCTION OF ALL MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	51,421	43,572	57,528	68,286	82,981	83,155	86,374	85,356	78,216	78,725	68,083	61,151
Humboldt	431,171	398,835	601,471	787,254	912,757	889,826	900,719	842,601	761,189	722,878	638,537	518,285
Mendocino	32,429	30,353	36.039	36,303	41,202	37,135	36,628	38,107	36,792	35,306	33,777	31,983
North Coast	515,021	472,760	695,038	891,843	1,036,940	1,010,116	1,023,721	966,064	876,197	836,909	740,397	611,419
Shasta	54,358	49,228	53,078	51,686	50,349	48,334	48,589	48,375	45,915	47,999	48,579	50,867
Siskiyou	19,183	99,142	110,073	101,305	108,793	105,998	107,902	102,723	99,334	104,413	102,522	108,418
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	73,541	148,370	163,151	152,991	159,142	154,332	156,491	151,098	145,249	152,412	151,101	159,285
Lassen	7,226	6,078	6,978	7,052	6,976	6,284	7,235	7,069	5,954	6,496	6,686	6,633
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,226	6,078	6,978	7,052	6,976	6,284	7,235	7,069	5,954	6,496	6,686	6,633
Alameda	---	9,557	10,668	9,088	10,978	8,652	7,953	8,750	9,075	9,040	8,760	7,060
Contra Costa	145,146	134,072	153,316	144,567	148,842	142,626	146,346	147,991	139,663	145,769	150,299	159,253
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	675,129	611,026	669,653	651,058	668,103	633,098	664,942	770,241	643,472	663,561	649,588	668,201
Monterey	192,606	173,897	189,057	192,353	201,395	201,269	211,900	218,253	208,305	215,626	213,016	200,682
Napa	57,175	49,759	52,294	50,855	51,013	49,901	63,763	53,350	50,145	52,847	51,366	52,716
San Benito	57,378	52,601	54,626	50,044	45,680	48,919	55,980	56,606	52,169	53,489	55,434	58,010
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	106,382	97,287	106,688	104,572	111,690	107,105	100,458	114,077	108,666	110,593	103,045	106,703
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	191,005	172,145	189,736	179,431	188,335	181,866	203,270	217,289	206,631	199,100	201,648	220,036
Santa Cruz	28,963	25,771	27,107	23,045	23,822	21,626	22,073	21,672	20,399	20,790	21,306	22,620
Sonoma	1,463,540	1,326,767	1,456,026	1,423,906	1,479,654	1,393,271	1,461,585	1,483,247	1,412,471	1,466,766	1,447,591	1,475,973
Central Coast	2,917,324	2,652,882	2,909,171	2,828,919	2,929,512	2,788,333	2,938,270	3,091,476	2,850,996	2,937,581	2,902,053	2,971,254
Butte	79,472	74,091	85,217	81,096	81,552	79,765	85,023	85,440	83,603	81,960	80,498	82,997
Colusa	20,133	18,735	19,326	18,872	17,955	17,194	18,543	18,577	18,761	19,616	20,525	22,020
Glenn	572,789	517,425	581,153	584,052	603,553	577,788	611,466	598,909	562,483	572,784	558,505	536,832
Sacramento	933,310	888,249	954,705	930,393	957,829	918,168	957,031	962,132	919,915	961,485	938,837	966,836
Solano	65,335	57,113	62,545	59,472	63,002	61,097	65,384	68,193	63,898	65,498	70,229	86,858
Sutter	46,183	38,338	43,938	39,983	43,243	41,392	42,354	39,018	36,934	38,258	37,297	39,502
Tehama	154,001	138,611	153,950	148,508	153,552	149,382	156,341	160,139	155,406	166,547	164,514	165,629
Yolo	26,330	24,201	26,080	31,744	23,801	20,214	22,671	21,957	23,244	25,650	25,892	27,865
Yuba	114,264	87,126	93,843	65,321	73,505	71,643	71,305	72,923	70,727	70,048	69,081	71,369
Sacramento Valley	2,011,817	1,843,889	2,020,757	1,959,441	2,017,992	1,936,643	2,030,118	2,027,288	1,934,971	2,001,846	1,965,378	1,999,908

CONTINUED

TABLE 10. · COMMERCIAL PRODUCTION OF ALL MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	2,484,564	2,155,447	2,358,071	2,200,629	2,358,014	2,283,325	2,371,097	2,328,672	2,261,130	2,333,960	2,270,584	2,345,231
Kern	889,260	801,237	881,228	843,143	850,697	814,620	858,175	830,149	759,579	816,628	792,171	824,525
Kings	2,638,707	2,385,981	2,662,454	2,635,186	2,600,688	2,505,950	2,695,149	2,682,643	2,598,275	2,707,296	2,658,838	2,722,513
Madera	767,574	683,862	763,467	731,757	774,332	750,729	791,341	786,423	747,583	774,564	806,308	799,057
Merced	4,698,465	4,243,787	4,653,548	4,590,185	4,775,866	4,667,936	4,970,025	4,945,265	4,801,823	4,926,745	4,813,702	4,945,787
San Joaquin	2,962,059	2,712,612	3,170,593	2,962,042	3,061,627	2,964,946	3,140,228	3,085,976	3,031,113	2,995,388	2,855,250	2,925,264
Stanislaus	4,867,839	4,347,974	4,749,628	4,610,992	4,826,662	4,680,364	4,842,987	4,805,136	4,505,132	4,668,937	4,619,256	4,752,782
Tulare	6,028,518	5,445,289	6,005,750	5,876,200	6,131,666	5,869,567	6,174,760	5,998,857	5,839,915	6,125,513	5,888,493	6,063,640
San Joaquin Valley	25,336,986	22,776,189	25,244,739	24,450,134	25,379,552	24,537,437	25,843,762	25,463,121	24,544,550	25,349,031	24,704,602	25,378,799
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	2,456	2,484	3,030	3,077	3,043	2,682	2,898	3,498	3,249	3,276	3,247	3,461
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	39,034	34,774	37,691	38,046	38,770	37,080	38,064	37,911	37,471	37,866	35,653	36,336
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	41,490	37,258	40,721	41,123	41,813	39,762	40,962	41,409	40,720	41,142	38,900	39,797
Imperial	24,264	22,577	27,793	27,477	27,648	25,012	22,066	17,867	14,276	17,863	15,897	18,502
Los Angeles	119,525	110,289	123,108	112,983	114,543	117,820	119,073	120,135	119,955	120,853	115,096	119,491
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	4,529,576	4,077,267	4,420,429	4,267,786	4,382,030	4,091,523	4,262,731	4,323,489	4,143,484	4,526,957	4,410,812	4,685,420
San Bernardino	7,916,306	7,141,437	7,771,739	7,520,929	7,913,644	7,454,770	7,708,062	7,368,852	7,171,922	7,834,626	7,645,785	7,858,741
San Diego	881,482	782,819	870,643	845,687	703,616	658,359	695,120	661,028	644,530	709,483	694,245	710,419
Santa Barbara	206,159	185,180	208,759	203,756	214,155	194,964	203,277	206,584	191,149	198,540	195,220	194,318
Ventura	149,057	142,189	155,837	147,136	154,156	150,376	141,074	129,422	143,960	158,764	159,120	152,959
Southern California	13,826,369	12,461,758	13,578,308	13,125,754	13,509,792	12,692,824	13,151,403	12,827,377	12,429,276	13,567,086	13,236,175	13,740,350
STATE TOTALS	44,729,774	40,399,184	44,658,863	43,457,257	45,081,719	43,165,731	45,191,962	44,574,902	42,827,913	44,892,503	43,745,292	44,907,445

TABLE 11. COMMERCIAL PRODUCTION OF MARKET MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	34,859	30,553	34,905	35,988	41,292	41,032	44,090	45,297	41,554	44,190	41,645	42,044
Humboldt	342,251	316,320	416,452	527,719	608,625	585,813	595,951	561,935	504,801	482,105	447,245	385,597
Mendocino	32,429	30,353	36,039	36,303	41,202	37,135	36,628	38,107	36,792	35,306	33,777	31,983
North Coast	409,539	377,226	487,396	600,010	691,119	663,980	676,669	645,339	583,147	561,601	522,667	459,624
Shasta	54,358	49,228	53,078	51,686	50,349	48,334	48,589	48,375	45,915	47,999	48,579	50,867
Siskiyou	19,183	99,142	110,073	101,305	108,793	105,998	107,902	102,723	99,334	104,149	102,522	108,418
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	73,541	148,370	163,151	152,991	159,142	154,332	156,491	151,098	145,249	152,148	151,101	159,285
Lassen	7,226	6,078	6,978	7,052	6,976	6,284	7,235	7,069	5,603	6,496	6,686	6,633
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,226	6,078	6,978	7,052	6,976	6,284	7,235	7,069	5,603	6,496	6,686	6,633
Alameda	---	---	---	---	1,820	---	---	---	513	---	---	---
Contra Costa	145,146	134,072	153,316	144,567	148,842	142,626	146,063	147,991	138,455	145,769	150,299	159,253
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	667,781	602,664	661,178	643,811	659,746	619,069	657,281	758,509	636,519	656,026	642,559	661,719
Monterey	192,112	173,897	188,503	192,353	201,395	201,269	211,900	217,575	208,305	214,839	213,016	200,682
Napa	57,175	49,759	52,294	50,855	51,013	49,901	63,763	53,350	50,145	52,847	51,366	52,716
San Benito	56,426	52,601	53,969	48,983	45,121	48,667	55,980	56,606	52,169	52,754	55,434	50,010
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	106,382	97,287	106,688	104,572	111,690	107,105	100,458	114,077	108,666	110,593	103,045	106,703
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	191,005	172,145	189,736	179,431	188,335	181,866	203,065	199,918	189,460	198,775	201,648	207,776
Santa Cruz	25,088	22,606	24,566	21,360	22,147	20,145	21,879	21,672	20,399	20,790	21,306	22,620
Sonoma	1,446,518	1,310,313	1,423,311	1,395,905	1,457,074	1,368,375	1,439,321	1,462,508	1,392,489	1,438,826	1,423,210	1,453,662
Central Coast	2,887,633	2,615,344	2,853,561	2,781,837	2,887,183	2,739,023	2,899,710	3,032,206	2,797,120	2,891,219	2,861,883	2,923,141
Butte	70,601	65,626	74,215	70,114	71,341	70,026	75,437	76,156	74,995	73,462	72,922	76,829
Colusa	19,534	18,163	18,605	18,130	17,378	16,644	18,001	18,052	18,273	19,151	20,134	21,671
Glenn	452,847	408,171	447,728	446,079	465,875	443,006	468,354	442,716	442,130	453,187	443,489	426,371
Sacramento	884,744	804,135	890,226	859,926	886,053	853,634	888,767	895,894	865,869	912,705	906,360	936,656
Solano	64,888	57,113	60,545	59,472	62,680	61,097	65,384	68,193	63,779	65,498	70,229	86,723
Sutter	42,038	34,382	38,266	34,852	36,561	35,018	36,080	32,942	31,301	32,722	32,766	35,466
Tehama	132,531	119,898	133,517	128,329	129,910	128,928	135,798	138,463	134,545	144,496	141,797	149,183
Yolo	26,330	24,201	26,080	31,744	23,801	20,214	22,671	21,957	23,244	25,650	25,892	27,865
Yuba	67,226	59,206	63,568	62,618	69,722	68,042	67,542	69,242	67,771	62,491	66,703	69,251
Sacramento Valley	1,760,739	1,590,895	1,752,750	1,711,264	1,763,321	1,696,609	1,778,034	1,763,615	1,721,907	1,789,362	1,780,292	1,830,015

CONTINUED

TABLE 11. COMMERCIAL PRODUCTION OF MARKET MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	2,465,867	2,129,968	2,327,376	2,184,638	2,340,642	2,271,756	2,356,958	2,314,222	2,235,505	2,323,550	2,251,246	2,324,626
Kern	889,260	800,518	881,228	843,143	850,697	814,142	858,175	827,079	756,893	816,628	791,598	824,525
Kings	2,629,177	2,374,849	2,624,057	2,617,945	2,597,186	2,498,137	2,694,468	2,664,041	2,593,954	2,705,388	2,654,543	2,720,919
Madera	746,170	661,425	718,546	716,484	758,258	735,459	776,141	759,058	732,528	759,216	791,238	785,123
Merced	4,330,952	3,930,948	4,333,818	4,101,200	4,273,638	4,175,557	4,459,301	4,441,405	4,309,475	4,441,316	4,322,501	4,436,247
San Joaquin	2,850,751	2,578,648	2,853,183	2,765,965	2,910,035	2,855,541	3,005,038	2,988,800	2,941,853	2,909,435	2,766,799	2,839,384
Stanislaus	4,252,365	3,838,687	4,156,475	4,060,377	4,220,614	4,077,106	4,273,695	4,244,177	3,965,802	4,154,916	4,101,841	4,231,480
Tulare	5,983,549	5,429,095	5,951,795	5,809,132	6,106,121	5,821,269	6,153,545	5,959,032	5,821,332	6,097,313	5,872,697	6,032,013
San Joaquin Valley	24,148,091	21,744,138	23,846,478	23,098,884	24,057,191	23,248,967	24,577,321	24,197,814	23,357,342	24,207,762	23,552,463	24,194,317
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	2,456	2,484	3,030	3,077	3,043	2,682	2,898	3,498	3,249	3,276	3,247	3,461
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	36,606	34,774	37,691	38,046	38,770	36,576	38,064	37,911	37,471	37,866	35,653	36,336
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	39,062	37,258	40,721	41,123	41,813	39,258	40,962	41,409	40,720	41,142	38,900	39,797
Imperial	24,264	22,577	27,793	27,477	27,648	25,012	22,066	17,867	14,276	17,863	15,897	18,502
Los Angeles	119,525	110,289	123,108	112,983	114,543	117,820	119,073	120,135	114,608	120,853	114,658	119,491
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	4,514,246	4,060,967	4,400,044	4,257,363	4,366,690	4,075,839	4,248,651	4,315,679	4,128,117	4,519,532	4,404,763	4,670,075
San Bernardino	7,912,447	7,135,597	7,763,117	7,512,268	7,907,842	7,446,811	7,704,054	7,363,240	7,159,265	7,830,121	7,643,917	7,856,777
San Diego	880,302	781,204	868,143	843,392	702,896	657,550	695,120	660,570	644,530	709,483	694,245	710,419
Santa Barbara	205,229	185,180	208,759	203,756	214,155	194,964	203,277	205,630	191,149	198,540	195,220	194,818
Ventura	137,987	131,140	139,402	135,779	132,947	136,154	131,901	124,124	120,677	138,383	139,604	146,813
Southern California	13,794,000	12,426,954	13,530,366	13,093,018	13,466,721	12,654,150	13,124,142	12,807,245	12,372,622	13,534,775	13,208,304	13,716,895
STATE TOTALS	43,119,831	38,946,263	42,681,401	41,486,179	43,073,466	41,202,603	43,260,564	42,645,795	41,023,710	43,184,505	42,122,296	43,329,707

TABLE 12. COMMERCIAL PRODUCTION OF MANUFACTURING MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Del Norte	16,562	13,019	22,623	32,298	41,689	42,123	42,284	40,059	36,662	34,535	26,438	19,107
Humboldt	88,920	82,515	185,019	259,535	304,132	304,013	304,768	280,666	256,388	240,773	191,292	132,688
Mendocino	---	---	---	---	---	---	---	---	---	---	---	---
North Coast	105,482	95,534	207,642	291,833	345,821	346,136	347,052	320,725	293,050	275,308	217,730	151,795
Shasta	---	---	---	---	---	---	---	---	---	---	---	---
Siskiyou	---	---	---	---	---	---	---	---	---	264	---	---
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	---	---	---	---	---	---	---	---	---	264	---	---
Lassen	---	---	---	---	---	---	---	---	351	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	351	---	---	---
Alameda	---	9,557	10,668	9,088	9,158	8,652	7,953	8,750	8,562	9,040	8,760	7,060
Contra Costa	---	---	---	---	---	---	283	---	1,208	---	---	---
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	7,348	8,362	8,475	7,247	8,357	14,029	7,661	11,732	6,953	7,535	7,029	6,482
Monterey	494	---	554	---	---	---	---	678	---	787	---	---
Napa	---	---	---	---	---	---	---	---	---	---	---	---
San Benito	952	---	657	1,061	559	252	---	---	---	735	---	---
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	---	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	---	---	---	205	17,371	17,171	325	---	12,260
Santa Cruz	3,875	3,163	2,541	1,685	1,675	1,481	194	---	---	---	---	---
Sonoma	17,022	16,454	32,715	28,001	22,580	24,896	22,264	20,739	19,982	27,940	24,381	22,311
Central Coast	29,691	37,538	55,610	47,082	42,329	49,310	38,560	59,270	53,876	46,362	40,170	48,113
Butte	8,871	8,465	11,002	10,982	10,211	9,739	9,586	9,284	8,608	8,498	7,576	6,168
Colusa	599	572	721	742	577	550	542	525	488	465	391	349
Glenn	119,942	109,254	133,425	137,973	137,678	134,782	143,112	156,193	120,353	119,597	115,016	110,461
Sacramento	48,566	84,114	64,479	70,467	71,776	64,534	68,264	66,238	54,046	48,780	32,477	30,180
Solano	447	---	2,000	---	322	---	---	---	119	---	---	135
Sutter	4,145	3,956	5,672	5,131	6,682	6,374	6,274	6,076	5,633	5,536	4,531	4,036
Tehama	21,470	18,713	20,433	20,179	23,642	20,454	20,543	21,676	20,861	22,051	22,717	16,446
Yolo	---	---	---	---	---	---	---	---	---	---	---	---
Yuba	47,038	27,920	30,275	2,703	3,783	3,601	3,763	3,681	2,956	7,557	2,378	2,118
Sacramento Valley	251,078	252,994	268,007	248,177	254,671	240,034	252,084	263,673	213,064	212,484	185,086	169,893

CONTINUED

TABLE 12. COMMERCIAL PRODUCTION OF MANUFACTURING MILK FAT IN CALIFORNIA, BY COUNTIES AND DISTRICTS, 1983 - CONTINUED

County and District	January	February	March	April	May	June	July	August	September	October	November	December
						(pounds)						
Fresno	18,697	25,479	30,695	15,991	17,372	11,569	14,139	14,450	25,625	10,410	19,338	20,605
Kern	---	719	---	---	---	478	---	3,070	2,686	---	573	---
Kings	9,530	11,132	38,397	17,241	3,502	7,813	681	18,602	4,321	1,908	4,295	1,594
Madera	21,404	22,437	44,921	15,273	16,074	15,270	15,200	27,365	15,055	15,348	15,070	13,934
Merced	367,513	312,839	319,730	488,985	502,228	492,379	510,724	503,860	492,348	485,429	491,201	509,540
San Joaquin	111,308	133,964	317,410	196,077	151,592	109,405	135,190	97,176	89,260	85,953	88,451	85,880
Stanislaus	615,474	509,287	593,153	550,615	606,048	603,258	569,292	560,959	539,330	514,021	517,415	521,302
Tulare	44,969	16,194	53,955	67,068	25,545	48,298	21,215	39,825	18,583	28,200	15,796	31,627
San Joaquin Valley	1,188,895	1,032,051	1,398,261	1,351,250	1,322,361	1,288,470	1,266,441	1,265,307	1,187,208	1,141,269	1,152,139	1,184,482
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	2,428	---	---	---	---	504	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	2,428	---	---	---	---	504	---	---	---	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	---	---	---	---	---	5,347	---	438	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	15,330	16,300	20,385	10,423	15,340	15,684	14,080	7,810	15,367	7,425	6,049	15,345
San Bernardino	3,859	5,840	8,622	8,661	5,802	7,959	4,008	5,612	12,657	4,505	1,868	1,964
San Diego	1,180	1,615	2,500	2,295	720	809	---	458	---	---	---	---
Santa Barbara	930	---	---	---	---	---	---	954	---	---	---	---
Ventura	11,070	11,049	16,435	11,357	21,209	14,222	9,173	5,298	23,283	20,381	19,516	6,146
Southern California	32,369	34,804	47,942	32,736	43,071	38,674	27,261	20,132	56,654	32,311	27,871	23,455
STATE TOTALS	1,609,943	1,452,921	1,977,462	1,971,078	2,008,253	1,963,128	1,931,398	1,929,107	1,804,203	1,707,998	1,622,996	1,577,738

AVERAGE PRICES PAID PRODUCERS

The California Crop and Livestock Reporting Service estimates the prices received by producers for many crops, livestock, and livestock products. The livestock products include whole milk sold in wholesale quantities. Table 13 contains the estimated monthly prices received by producers in California for the period 1973 through 1983. Data for earlier years are available in other publications and have been published in previous annual California Dairy Industry Statistics.

The average prices paid monthly to producers in California for market milk and for manufacturing milk from 1973 through 1983 are presented in Tables 14 and 15. Prices paid for market milk in Table 14 reflect the changing proportions of the product paid for in accordance with class use, as well as varying price levels for products with the same usage. Prices paid for manufacturing milk in Table 15 reflect primarily changes in price levels. Each price series is affected to some extent by variation in the average milk fat content of milk purchased from producers. Prices are presented for the average test of the milk actually purchased each month from producers.

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TABLE 13. AVERAGE PRICES PAID PRODUCERS IN CALIFORNIA FOR ALL WHOLE MILK, BY MONTHS, 1973-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
	(dollars per hundredweight)												
1973	5.93	6.21	6.16	5.91	5.86	5.91	5.92	6.28	6.87	7.12	7.84	7.82	6.47
1974	7.87	7.61	7.72	8.59	8.27	7.96	7.97	8.07	8.35	8.55	8.70	8.73	8.20
1975	8.91	8.88	8.74	8.64	8.45	8.33	8.40	8.57	8.90	9.27	9.49	9.78	8.85
1975 1/	9.08	9.06	8.92	8.81	8.63	8.51	8.57	8.75	9.08	9.45	9.66	9.93	9.03
1976	9.60	9.25	9.23	9.13	8.98	9.02	9.18	9.34	9.31	9.28	9.41	9.60	9.27
1977	9.69	9.49	9.45	9.49	9.62	9.65	9.60	9.69	9.86	10.10	10.20	10.30	9.76
1978	10.40	10.20	10.10	10.10	10.00	9.80	9.70	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.76	12.71	12.54	12.54	12.53	12.55	12.49	12.68	12.89	13.42	13.66	13.81	12.88
1981	13.73	13.63	13.58	13.51	13.26	13.17	13.14	13.10	13.24	13.58	13.60	13.71	13.44
1982	13.84	13.66	13.57	13.37	12.93	12.82	12.81	12.76	12.93	13.08	13.36	13.48	13.22
1983	13.48	13.42	13.33	13.09	12.87	12.66	12.65	12.70	12.82	13.14	13.37	13.30	13.07

1/ Prices are f.o.b. ranch for the years 1973 and 1974 and f.o.b. plant thereafter.

TABLE 14. AVERAGE PRICES PAID PRODUCERS IN CALIFORNIA FOR MARKET MILK, BY MONTHS, 1973-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
	(dollars per hundredweight)												
1973	6.02	6.31	6.26	6.01	5.96	6.01	6.00	6.37	6.95	7.18	7.94	7.91	6.56
1974	7.95	7.68	7.80	8.71	8.41	8.08	8.10	8.21	8.48	8.69	8.82	8.85	8.32
1975	9.01	8.99	8.85	8.76	8.58	8.45	8.50	8.68	8.99	9.34	9.56	9.86	8.95
1975 1/	9.18	9.16	9.02	8.93	8.75	8.62	8.67	8.85	9.17	9.51	9.73	10.00	9.12
1976	9.65	9.32	9.30	9.21	9.05	9.08	9.24	9.40	9.36	9.34	9.47	9.68	9.34
1977	9.75	9.55	9.50	9.53	9.66	9.70	9.65	9.74	9.90	10.10	10.20	10.30	9.80
1978	10.40	10.30	10.10	10.10	10.00	9.85	9.75	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.80	12.76	12.59	12.58	12.56	12.59	12.53	12.72	12.93	13.46	13.70	13.84	12.92
1981	13.76	13.66	13.61	13.55	13.30	13.22	13.19	13.14	13.27	13.60	13.63	13.74	13.47
1982	13.87	13.69	13.60	13.41	12.97	12.86	12.85	12.79	12.96	13.11	13.39	13.50	13.25
1983	13.50	13.45	13.36	13.12	12.90	12.69	12.68	12.73	12.85	13.17	13.40	13.34	13.10

1/ Prices are f.o.b. ranch for the years 1973 and 1974 and f.o.b. plant thereafter.

TABLE 15. AVERAGE PRICES PAID PRODUCERS IN CALIFORNIA FOR MANUFACTURING MILK, BY MONTHS, 1973-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
	(dollars per hundredweight)												
1973	5.14	5.20	5.14	5.00	4.94	4.96	5.11	5.33	5.94	6.39	6.57	6.62	5.46
1974	6.59	6.56	6.67	6.98	6.68	6.52	6.51	6.48	6.58	6.72	6.86	6.78	6.65
1975	7.37	7.19	7.11	7.03	6.89	6.88	7.06	7.16	7.73	8.25	8.35	8.43	7.40
1975 1/	7.45	7.49	7.37	7.22	7.08	7.05	7.27	7.35	7.92	8.45	8.53	8.62	7.60
1976	8.48	8.00	7.87	7.94	7.87	8.03	8.20	8.45	8.43	8.23	8.29	8.15	8.16
1977	8.21	8.13	8.13	8.68	8.81	8.79	8.67	8.65	8.82	8.93	9.09	9.14	8.68
1978	9.09	9.03	8.94	9.25	9.15	9.17	9.08	9.26	9.49	9.70	10.00	10.20	9.34
1979	10.00	9.85	9.80	10.10	10.30	10.30	10.30	10.40	10.70	11.10	11.60	11.60	10.50
1980	11.56	11.44	11.34	11.69	11.75	11.61	11.62	11.72	12.01	12.36	12.68	12.77	11.88
1981	12.71	12.64	12.84	12.49	12.21	12.10	12.06	12.22	12.38	12.89	12.87	12.86	12.52
1982	12.92	12.80	12.77	12.46	12.12	12.02	11.99	12.06	12.23	12.41	12.65	12.85	12.44
1983	12.82	12.58	12.67	12.42	12.25	12.04	12.02	12.05	12.19	12.26	12.55	12.37	12.35

1/ Prices are f.o.b. ranch for the years 1973 and 1974 and f.o.b. plant thereafter.

UTILIZATION OF COMMERCIAL PRODUCTION

During 1983, approximately 30.8 percent of the total milk fat produced commercially in California was used in fluid market milk. Fluid market milk, for the purposes of Table 16, currently includes fluid whole milk, fluid lowfat milk, fluid skim milk, and yogurt. Fluid half-and-half used 1.7 percent of the milk fat; butter, 29.3 percent; cheese (including cottage cheese), 15.7 percent; condensed and evaporated milk products, 3.9 percent; frozen dairy products, 11.4 percent; and all other manufactured products, 7.2 percent. Approximately 32.5 percent of the total milk fat was used in fluid market milk and cream. The remaining 67.5 percent was used in manufactured products.

Approximately 43.8 percent of the market grade milk produced in 1983 was used in Class I market milk products and 6.3 percent was used in manufactured products where market grade milk use was mandatory. The remaining 49.9 percent was used in making all other kinds of manufactured products.

TABLE 16. ESTIMATED UTILIZATION OF CALIFORNIA'S COMMERCIAL MILK FAT PRODUCTION IN SELECTED DAIRY PRODUCTS, BY YEARS, 1963-1983

Year	Fluid market milk 1/	Fluid market cream 2/	Butter	Cheese, including cottage cheese	Condensed milk products 3/	Frozen dairy products	Other manufac-tured products 4/
				(percent)			
1963	55.2	8.2	8.9	3.8	6.2	12.6	5.1
1964	55.6	7.8	9.1	3.7	6.6	12.9	4.3
1965	55.8	7.6	9.2	3.8	5.9	13.5	4.2
1966	56.5	7.4	7.0	3.6	6.6	13.7	5.2
1967	55.2	7.1	12.1	2.9	4.6	13.5	4.6
1968	53.2	6.6	14.2	2.8	5.1	13.6	4.5
1969	52.3	6.0	15.5	2.6	5.0	13.7	4.9
1970	49.0	5.5	20.7	3.1	3.9	13.3	4.5
1971	47.1	5.1	22.1	3.4	4.0	13.0	5.3
1972	45.5	4.6	24.7	3.5	3.2	12.5	6.0
1973	45.6	4.7	24.2	4.4	3.0	12.4	5.7
1974	43.6	2.2	26.9	5.2	2.7	13.0	6.4
1975	42.2	2.2	28.1	5.9	2.7	13.2	5.7
1976	40.9	2.1	28.8	6.8	2.6	12.7	6.1
1977	40.0	2.1	29.9	7.5	2.2	12.2	6.1
1978	40.2	2.0	26.5	8.3	2.1	12.6	8.3
1979	38.8	2.0	26.9	9.2	2.1	12.1	8.9
1980	34.5	1.8	30.8	10.1	1.7	11.2	9.9
1981	32.5	1.7	30.6	11.6	1.9	11.1	10.6
1982	30.7	1.7	31.2	13.6	3.0	10.8	9.0
1983	30.8	1.7	29.3	15.7	3.9	11.4	7.2

1/ Includes fluid whole milk, fluid lowfat milk, concentrated fluid milk, and fluid skim milk through 1973. Yogurt is also included for the period 1974-1983.

2/ Includes fluid cream and half-and-half through 1973; half-and-half only for subsequent years.

3/ Includes evaporated milk and other condensed milk products.

4/ Includes sour and all other fluid cream for the period 1974-1983.

TABLE 17. COMMERCIAL PRODUCTION AND USAGE OF MILK IN CALIFORNIA, BY YEARS, 1966-1983 1/

	Commercial Production			Class 1 Usage	Availability for Manufacture			Relative to Production	
	Market	Manufacturing	Total		Market	Manufacturing	Total	Market	Total
	(thousand pounds)							(percent)	
1966	7,591,503	865,655	8,457,158	5,463,262	2,128,241	865,655	2,993,896	28.0	35.4
1967	7,685,955	876,187	8,562,142	5,453,205	2,232,750	876,187	3,108,937	29.0	36.3
1968	8,002,052	815,387	8,817,439	5,441,752	2,560,300	815,387	3,375,687	32.0	38.3
1969	7,970,766	799,438	8,770,204	5,405,325	2,565,441	799,438	3,364,879	32.2	38.4
1970	8,481,432	865,027	9,346,459	5,399,404	3,082,028	865,027	3,947,055	36.3	42.2
1971	8,614,289	979,836	9,594,125	5,406,666	3,207,623	979,836	4,187,459	37.2	43.6
1972	9,163,369	1,136,171	10,299,540	5,647,138	3,516,231	1,136,171	4,652,402	38.4	45.2
1973	9,354,250	879,237	10,233,487	5,719,894	3,634,356	879,237	4,513,593	39.9	44.1
1974	9,776,188	724,765	10,500,953	5,740,347	4,035,841	724,765	4,760,606	41.3	45.3
1975	10,060,384	695,507	10,755,891	5,837,522	4,222,862	695,507	4,918,369	42.0	45.7
1976	10,886,279	602,087	11,488,366	6,032,561	4,853,718	602,087	5,455,805	44.6	47.5
1977	11,377,410	510,659	11,888,069	6,143,455	5,233,955	510,659	5,744,614	46.0	48.3
1978	11,329,087	447,648	11,776,735	6,211,747	5,117,340	447,648	5,564,988	45.2	47.3
1979	12,029,199	459,453	12,488,652	6,292,820	5,736,379	459,453	6,195,832	47.7	49.6
1980	12,998,001	517,997	13,515,998	6,238,927	6,759,074	517,997	7,277,071	52.0	53.8
1981	13,666,750	519,853	14,186,603	6,188,714	7,478,036	519,853	7,997,889	54.7	56.4
1982	13,901,010	566,472	14,467,482	6,082,539	7,818,471	566,472	8,384,943	56.2	58.0
1983	14,104,674	588,819	14,693,493	6,177,320	7,927,354	588,819	8,516,173	56.2	58.0

1/ Detail for 1982 and 1983 shown in Table 22.

TABLE 18. COMMERCIAL PRODUCTION AND USAGE OF MARKET MILK FAT AND MARKET SKIM MILK IN CALIFORNIA, BY YEARS, 1966-1983 1/

	Market Milk Fat				Market Skim Milk			
	Commercial Production	Usage		Other usage relative to production	Commercial Production	Usage		Other usage relative to production
		Class 1	Other			Class 1	Other	
	(thousand pounds)			(percent)	(thousand pounds)			(percent)
1966	274,577	196,054	78,523	28.6	7,316,926	5,267,208	2,049,718	28.0
1967	277,547	193,402	84,145	30.3	7,408,408	5,259,803	2,148,605	29.0
1968	287,023	190,057	96,966	33.8	7,715,029	5,251,695	2,463,334	31.9
1969	287,435	185,253	102,182	35.6	7,683,331	5,220,072	2,463,259	32.1
1970	303,336	182,919	120,417	39.7	8,178,096	5,216,485	2,961,611	36.2
1971	309,103	180,183	128,920	41.7	8,305,186	5,226,483	3,078,703	37.1
1972	327,371	185,058	142,313	43.5	8,835,998	5,462,080	3,373,918	38.6
1973	335,933	185,344	150,589	44.8	9,018,317	5,534,550	3,483,767	38.6
1974	351,133	173,348	177,785	50.6	9,425,055	5,566,999	3,858,056	40.9
1975	364,795	173,102	191,693	52.5	9,695,589	5,664,420	4,031,169	41.6
1976	390,950	178,026	212,924	54.5	10,495,329	5,854,535	4,640,794	44.2
1977	405,943	178,958	226,985	55.9	10,971,467	5,964,497	5,006,970	45.6
1978	408,311	179,515	228,796	56.0	10,920,776	6,032,232	4,888,544	44.8
1979	426,183	180,650	245,533	57.6	11,603,015	6,112,170	5,490,845	47.3
1980	468,324	176,741	291,583	62.3	12,529,677	6,062,086	6,467,591	51.6
1981	490,629	174,337	316,292	64.5	13,176,121	6,014,377	7,161,744	54.4
1982	504,415	170,381	334,034	66.2	13,396,595	5,912,158	7,484,437	55.9
1983	506,076	171,767	334,308	66.0	13,598,598	6,005,553	7,593,045	55.8

1/ Detail for 1982 and 1983 shown in Tables 23 and 24.

TABLE 19. COMMERCIAL PRODUCTION OF MILK FAT AND SKIM MILK IN CALIFORNIA AVAILABLE FOR MANUFACTURE, BY YEARS, 1966-1983 1/

QUANTITIES AVAILABLE FOR MANUFACTURE

	Milk Fat				Skim Milk			
	Manufacturing	Market	Total	Relative to 2/ Production	Manufacturing	Market	Total	Relative to 3/ Production
	(thousand pounds)			(percent)	(thousand pounds)			(percent)
1966	32,697	78,523	111,220	36.2	832,958	2,049,718	2,882,676	35.4
1967	33,115	84,145	117,260	37.7	843,072	2,148,605	2,991,677	36.3
1968	30,715	96,966	127,681	40.2	784,672	2,463,334	3,248,006	38.2
1969	30,081	102,182	132,263	41.7	769,357	2,463,259	3,232,616	38.2
1970	32,395	120,417	152,812	45.5	832,632	2,961,611	3,794,243	42.1
1971	36,549	128,920	165,469	47.9	943,287	3,078,703	4,021,990	43.5
1972	41,940	142,313	184,253	49.9	1,094,231	3,373,918	4,468,149	45.0
1973	32,646	150,589	183,235	49.7	846,591	3,483,767	4,330,358	43.9
1974	26,748	177,785	204,533	54.1	698,017	3,858,056	4,556,073	45.0
1975	25,960	191,693	217,653	55.7	669,547	4,031,169	4,700,716	45.4
1976	22,562	212,924	235,486	56.9	579,525	4,640,794	5,220,319	47.1
1977	18,958	226,985	245,943	57.9	491,701	5,006,970	5,498,671	48.0
1978	16,816	228,796	245,612	57.8	430,832	4,888,544	5,319,376	48.7
1979	16,881	245,533	262,414	59.2	442,572	5,490,845	5,933,417	49.2
1980	19,050	291,483	310,533	63.7	498,947	6,467,591	6,966,538	53.5
1981	19,147	316,292	335,439	65.8	500,706	7,161,744	7,662,450	56.0
1982	20,954	334,034	354,988	67.6	545,518	7,484,437	8,029,955	57.6
1983	21,556	334,309	355,865	67.4	567,563	7,593,045	8,160,608	57.6

1/ Detail for 1982 and 1983 shown in Tables 23 and 24.

2/ The total commercial production of milk fat is presented in column 2 of Table 23.

3/ The total commercial production of skim milk is presented in column 2 of Table 24.

TABLE 20. SALES OF CALIFORNIA CLASS 1 MARKET MILK PRODUCTS, BY MONTHS, 1983

	January	February	March	April	May	June	July	August	September	October	November	December
						(Gallons)						
Market Whole Milk	33,135,503	30,245,052	33,902,629	32,094,185	32,220,104	31,546,665	32,265,452	33,953,972	34,035,702	33,871,060	32,619,266	33,128,818
Market Lowfat Milk	21,803,766	19,938,596	22,220,181	21,392,928	21,609,783	19,825,873	19,721,861	20,364,677	22,308,528	22,916,466	21,937,958	21,623,568
Market Skim Milk	3,684,053	3,424,550	3,819,144	3,720,967	3,731,594	3,340,291	3,204,260	3,311,887	3,667,837	3,911,070	3,524,778	3,427,706
Half-and-Half	797,904	746,543	854,963	800,185	880,758	832,700	843,344	858,764	817,132	826,830	865,782	943,470
Yogurt	1,450,494	1,332,739	1,548,441	1,446,942	1,541,868	1,482,345	1,346,735	1,424,961	1,472,865	1,443,482	1,200,836	1,009,416
Other Class 1 Products	3,287	4,362	5,139	3,673	4,501	4,983	4,703	4,222	4,012	4,269	4,521	4,773
Total Class 1	60,875,007	55,691,842	62,350,497	59,458,880	59,988,608	57,032,857	57,386,355	59,918,483	62,306,076	62,973,177	60,153,141	60,137,751

MILK FAT SOLD IN CALIFORNIA CLASS 1 MARKET MILK PRODUCTS

						(Pounds)						
Market Whole Milk	9,806,412	8,959,662	10,045,804	9,514,644	9,548,871	9,348,450	9,564,803	10,037,378	10,224,948	10,201,367	9,789,768	9,932,024
Market Lowfat Milk	3,673,951	3,365,932	3,747,169	3,611,368	3,644,035	3,344,030	3,322,979	3,438,754	3,703,959	3,799,786	3,643,458	3,584,809
Market Skim Milk	4,646	4,225	4,224	4,072	3,806	3,477	3,141	2,960	3,379	4,492	4,239	4,716
Half-and-Half	728,329	682,150	780,033	730,663	803,774	759,999	769,707	782,934	744,610	751,303	786,735	853,595
Yogurt	229,178	210,573	244,654	228,617	243,615	234,210	212,784	225,144	232,713	228,070	189,732	159,488
Other Class 1 Products	2,958	3,926	4,625	3,306	4,051	4,485	4,233	3,800	3,611	3,842	4,069	4,296
Total Class 1	14,445,474	13,226,468	14,826,509	14,092,670	14,248,152	13,694,651	13,877,647	14,490,970	14,913,220	14,988,860	14,418,001	14,538,928

TABLE 21. PRODUCTION OF SELECTED MANDATORY CLASS 2 PRODUCTS AND USAGE OF MARKET MILK FAT IN THESE PRODUCTS IN CALIFORNIA, BY MONTHS, 1983

	January	February	March	April	May	June	July	August	September	October	November	December
						(product pounds)						
Sour Cream & Sour Cream Dress.	5,587,295	5,866,898	6,797,895	6,193,670	6,301,053	6,973,486	6,267,258	6,941,216	6,273,441	6,282,834	7,874,508	8,860,306
All Other Market Cream	2,341,781	3,082,433	4,026,018	3,867,952	4,290,975	4,145,844	3,500,536	3,737,673	3,743,400	3,402,619	5,875,663	4,184,017
Buttermilk	6,762,080	6,339,570	7,483,927	6,710,696	7,376,686	7,154,798	7,036,713	7,559,335	7,163,918	6,830,979	7,325,448	7,152,842
Creamed Cottage Cheese 1/	2,407,719	2,159,463	2,458,021	2,386,781	2,542,144	2,423,376	2,414,244	2,568,573	2,393,591	2,366,601	2,212,873	1,985,190
Lowfat Cottage Cheese 1/	1,482,895	1,336,567	1,530,368	1,522,385	1,554,521	1,490,107	1,432,669	1,496,225	1,434,085	1,383,674	1,208,251	1,134,344
Cottage Cheese, Dry Curd 2/	52,654,958	48,268,264	54,591,904	53,899,938	53,559,875	52,032,786	50,827,097	52,903,709	49,734,670	48,307,255	44,530,002	40,914,285
Filled and Imitation Products	1[illegible],365	107,175	124,424	101,589	98,003	126,497	90,195	111,968	102,094	100,572	110,769	114,739
Yogurt (Out-of-State Use)	2,841,079	3,254,782	3,432,595	3,227,417	3,534,815	2,592,083	2,688,102	3,084,846	2,802,370	2,762,965	2,685,195	2,213,993
TOTAL	74,193,172	70,415,152	80,445,152	77,910,428	79,258,072	76,938,977	74,256,814	78,403,545	73,647,569	71,437,499	71,822,709	66,559,716
						(market milk fat pounds)						
Sour Cream & Sour Cream Dress.	1,121,417	1,177,536	1,364,394	1,243,122	1,264,674	1,399,637	1,257,891	1,393,160	1,259,132	1,261,018	1,580,480	1,778,338
All Other Market Cream	765,743	1,007,930	1,316,474	1,264,788	1,403,113	1,355,656	1,144,646	1,222,188	1,224,061	1,112,628	1,921,293	1,368,139
Buttermilk	31,378	29,418	34,728	31,140	34,230	33,201	32,653	35,078	33,243	31,698	33,993	33,192
Creamed Cottage Cheese 3/	349,119	313,122	356,413	346,083	368,611	351,390	350,065	372,443	347,071	343,157	320,866	287,852
Lowfat Cottage Cheese 4/	81,559	73,511	84,170	83,731	85,499	81,956	78,797	82,292	78,875	76,102	66,454	62,389
Cottage Cheese, Dry Curd	---	---	---	---	---	---	---	---	---	---	---	---
Filled and Imitation Products	---	---	---	---	---	---	---	---	---	---	---	---
Yogurt (Out-of-State Use)	52,196	59,797	63,064	59,294	64,942	47,622	49,386	56,675	51,485	50,761	49,333	40,676
TOTAL	2,401,412	2,661,314	3,219,243	3,028,158	3,221,069	3,269,462	2,913,438	3,161,836	2,993,867	2,875,364	3,972,419	3,570,586

1/ Approximately 0.34 pound of creaming mixture is added to each pound of curd in the creaming process

2/ 7.14 pounds of skim milk are required to make one pound of dry curd.

3/ Creaming mixture for creamed cottage cheese tests 14.5%.

4/ Creaming mixture for lowfat cottage cheese tests 5.5%.

TABLE 22. UTILIZATION OF MARKET AND MANUFACTURING MILK PRODUCTION IN CALIFORNIA, BY MONTHS, 1982-1983

YEAR AND MONTH	COMMERCIAL MILK PRODUCTION	MARKET MILK PRODUCTION AND USAGE							MANUFACTURING MILK PRODUCTION	MILK AVAILABLE FOR MANUFACTURE 1/	
		Production	Usage								
			Class 1		Mandatory Class 2		All Other				
	Total	Total	Total	Relative to Production	Total	Relative to Production	Total	Relative to Production	Total	Total	Relative to Commercial Production
	(thousand pounds)	(thousand pounds)	(thousand pounds)	(percent)	(thousand pounds)	(percent)	(thousand pounds)	(percent)	(thousand pounds)	(thousand pounds)	(percent)
1982	14,467,483	13,901,012	6,082,538	43.7	901,318	6.5	6,917,156	49.8	566,471	7,483,627	51.7
1983	14,693,493	14,104,674	6,177,320	43.8	895,289	6.3	7,032,065	49.9	588,819	7,620,884	51.9
1982											
January	1,166,982	1,129,277	514,039	45.5	72,469	6.4	542,769	48.1	37,705	580,474	49.7
February	1,082,917	1,045,930	466,618	44.6	70,321	6.7	508,991	48.7	36,987	545,978	50.4
March	1,227,996	1,184,112	531,084	44.8	80,854	6.8	572,174	48.3	43,884	616,058	50.2
April	1,189,169	1,142,316	505,694	44.3	77,222	6.8	559,400	49.0	46,853	606,253	51.0
May	1,232,324	1,180,426	499,869	42.3	80,735	6.8	599,822	50.8	51,898	651,720	52.9
June	1,232,198	1,182,088	485,412	41.1	77,569	6.6	619,107	52.4	50,110	669,217	54.3
July	1,276,787	1,220,688	497,114	40.7	77,536	6.4	646,038	52.9	56,099	702,137	55.0
August	1,271,448	1,216,282	499,058	41.0	78,360	6.4	638,864	52.5	55,166	694,030	54.6
September	1,214,721	1,164,261	517,846	44.5	75,302	6.5	571,113	49.0	50,460	621,573	51.2
October	1,229,048	1,180,355	533,231	45.2	73,946	6.3	573,178	48.6	48,693	621,871	50.6
November	1,162,498	1,118,279	517,449	46.3	70,188	6.3	530,642	47.4	44,219	574,861	49.4
December	1,181,395	1,136,998	515,124	45.3	66,816	5.9	555,058	48.8	44,397	599,455	50.7
1983											
January	1,183,021	1,141,702	523,525	45.8	74,193	6.5	543,984	47.6	41,319	585,303	49.5
February	1,072,567	1,034,652	478,951	46.3	70,415	6.8	485,286	46.9	37,916	523,202	48.8
March	1,203,406	1,151,288	536,210	46.6	80,445	7.0	534,633	46.4	52,118	586,751	48.8
April	1,211,192	1,156,920	511,347	44.2	77,910	6.7	567,663	49.1	54,272	621,935	51.3
May	1,285,453	1,228,913	515,905	42.0	79,258	6.4	633,750	51.6	56,541	690,291	53.7
June	1,269,214	1,212,874	490,484	40.4	76,939	6.3	645,451	53.2	56,340	701,791	55.3
July	1,320,406	1,264,684	493,520	39.0	74,257	5.9	696,907	55.1	55,721	752,628	57.0
August	1,290,522	1,235,490	515,295	41.7	78,404	6.3	641,791	51.9	55,031	696,822	54.0
September	1,229,634	1,179,005	535,832	45.4	73,648	6.2	569,525	48.3	50,628	620,153	50.4
October	1,253,025	1,206,435	541,568	44.9	71,437	5.9	593,430	49.2	46,590	640,020	51.1
November	1,185,043	1,142,882	517,496	45.3	71,823	6.3	553,563	48.4	42,161	595,724	50.3
December	1,190,010	1,149,829	517,187	45.0	66,560	5.8	566,082	49.2	40,182	606,264	50.9

1/ The milk available for manufacturing purposes in California is Total Commercial Production excluding Market Milk Class 1 and Mandatory Class 2 Usage.

TABLE 23. UTILIZATION OF MARKET AND MANUFACTURING MILK FAT PRODUCTION IN CALIFORNIA, BY MONTHS, 1982-1983

YEAR AND MONTH	COMMERCIAL MILK FAT PRODUCTION	MARKET MILK FAT PRODUCTION AND USAGE							MANUFACTURING MILK FAT PRODUCTION	MILK FAT AVAILABLE FOR MANUFACTURE 1/	
		Production	Usage								
			Class 1		Mandatory Class 2		All Other				
	Total	Total	Total	Relative to Production	Total	Relative to Production	Total	Relative to Production	Total	Total	Relative to Commercial Production
	(thousand pounds)	(thousand pounds)	(thousand pounds)	(percent)	(thousand pounds)	(percent)	(thousand pounds)	(percent)	(thousand pounds)	(thousand pounds)	(percent)
1982	525,370	504,416	170,381	33.8	33,675	6.7	300,360	59.5	20,954	321,314	61.2
1983	527,632	506,076	171,767	33.9	37,288	7.4	297,021	58.7	21,556	318,577	60.4
1982											
January	44,810	43,339	14,394	33.2	2,124	4.9	26,821	61.9	1,471	28,292	63.1
February	40,727	39,323	13,046	33.2	2,471	6.3	23,806	60.5	1,404	25,210	61.9
March	45,558	43,916	14,781	33.6	2,736	6.2	26,399	60.1	1,642	28,041	61.6
April	43,813	42,067	14,137	33.6	2,814	6.7	25,116	59.7	1,746	26,862	61.3
May	43,236	41,383	13,906	33.6	2,906	7.0	24,571	59.4	1,853	26,424	61.1
June	42,764	40,986	13,672	33.4	2,915	7.1	24,399	59.5	1,778	26,177	61.2
July	44,280	42,306	14,115	33.4	2,756	6.5	25,435	60.1	1,974	27,409	61.9
August	44,277	42,312	14,119	33.4	2,827	6.7	25,366	59.9	1,965	27,331	61.7
September	43,005	41,167	14,456	35.1	2,701	6.6	24,010	58.3	1,838	25,848	60.1
October	44,611	42,789	14,772	34.5	2,577	6.0	25,440	59.4	1,822	27,262	61.1
November	43,394	41,682	14,454	34.7	3,558	8.5	23,670	56.8	1,712	25,382	58.5
December	44,895	43,146	14,529	33.7	3,290	7.6	25,327	58.7	1,749	27,076	60.3
1983											
January	44,730	43,120	14,445	33.5	2,401	5.6	26,274	60.9	1,610	27,884	62.3
February	40,399	38,946	13,226	34.0	2,661	6.8	23,059	59.2	1,453	24,512	60.7
March	44,659	42,681	14,826	34.7	3,219	7.5	24,636	57.7	1,978	26,614	59.6
April	43,457	41,486	14,093	34.0	3,028	7.3	24,365	58.7	1,971	26,336	60.6
May	45,082	43,073	14,248	33.1	3,221	7.5	25,604	59.4	2,008	27,612	61.2
June	43,166	41,203	13,695	33.2	3,270	7.9	24,238	58.8	1,963	26,201	60.7
July	45,192	43,261	13,878	32.1	2,914	6.7	26,469	61.2	1,931	28,400	62.8
August	44,575	42,646	14,491	34.0	3,162	7.4	24,993	58.6	1,929	26,922	60.4
September	42,828	41,024	14,913	36.4	2,994	7.3	23,117	56.3	1,804	24,921	58.2
October	44,892	43,184	14,989	34.7	2,875	6.6	25,320	58.6	1,708	27,028	60.2
November	43,745	42,122	14,424	34.2	3,972	9.4	23,726	56.3	1,623	25,349	57.9
December	44,907	43,330	14,539	33.6	3,571	8.2	25,220	58.2	1,578	26,798	59.7

1/ The milk fat available for manufacturing purposes in California is Total Commercial Milk Fat Production excluding Market Milk Class 1 and Mandatory Class 2 Milk Fat Usage.

TABLE 24. UTILIZATION OF MARKET AND MANUFACTURING SKIM MILK PRODUCTION IN CALIFORNIA, BY MONTHS, 1982-1983

YEAR AND MONTH	COMMERCIAL SKIM MILK PRODUCTION	MARKET SKIM MILK PRODUCTION AND USAGE							MANUFACTURING SKIM MILK PRODUCTION	SKIM MILK AVAILABLE FOR MANUFACTURE 1/	
		Production	Usage								
			Class 1		Mandatory Class 2		All Other				
	Total (thousand pounds)	Total (thousand pounds)	Total (thousand pounds)	Relative to Production (percent)	Total (thousand pounds)	Relative to Production (percent)	Total (thousand pounds)	Relative to Production (percent)	Total (thousand pounds)	Total (thousand pounds)	Relative to Commercial Production (percent)
1982	13,942,113	13,396,596	5,912,157	44.1	867,643	6.5	6,616,796	49.4	545,517	7,162,313	51.4
1983	14,165,861	13,598,598	6,005,553	44.2	858,001	6.3	6,735,044	49.5	567,263	7,302,307	51.5
1982											
January	1,122,172	1,085,938	499,645	46.0	70,345	6.5	515,948	47.5	36,234	552,182	49.2
February	1,042,190	1,006,607	453,572	45.1	67,850	6.7	485,185	48.2	35,583	520,768	50.0
March	1,182,438	1,140,196	516,303	45.3	78,118	6.8	545,775	47.9	42,242	588,017	49.7
April	1,145,356	1,100,249	491,557	44.7	74,408	6.8	534,284	48.6	45,107	579,391	50.6
May	1,189,088	1,139,043	485,963	42.7	77,829	6.8	575,251	50.5	50,045	625,296	52.6
June	1,189,434	1,141,102	471,740	41.3	74,654	6.5	594,708	52.1	48,332	643,040	54.1
July	1,232,507	1,178,382	482,999	41.0	74,780	6.3	620,603	52.7	54,125	674,728	54.7
August	1,227,171	1,173,970	484,939	41.3	75,533	6.4	613,498	52.3	53,201	666,699	54.3
September	1,171,716	1,123,094	503,390	44.8	72,601	6.5	547,103	48.7	48,622	595,725	50.8
October	1,184,437	1,137,566	518,459	45.6	71,369	6.3	547,738	48.1	46,871	594,609	50.2
November	1,119,104	1,076,597	502,995	46.7	66,630	6.2	506,972	47.1	42,507	549,479	49.1
December	1,136,500	1,093,852	500,595	45.8	63,526	5.8	529,731	48.4	42,648	572,379	50.4
1983											
January	1,138,291	1,098,582	509,080	46.3	71,792	6.5	517,710	47.1	39,709	557,419	49.0
February	1,032,168	995,706	465,725	46.8	67,754	6.8	462,227	46.4	36,463	498,690	48.3
March	1,158,747	1,108,607	521,384	47.0	77,226	7.0	509,997	46.0	50,140	560,137	48.3
April	1,167,735	1,115,434	497,254	44.6	74,882	6.7	543,298	48.7	52,301	595,599	51.0
May	1,240,371	1,185,840	501,657	42.3	76,037	6.4	608,146	51.3	54,533	662,679	53.4
June	1,226,048	1,171,671	476,789	40.7	73,669	6.3	621,213	53.0	54,377	675,590	55.1
July	1,275,214	1,221,423	479,642	39.3	71,343	5.8	670,438	54.9	53,790	724,228	56.8
August	1,245,947	1,192,844	500,804	42.0	75,242	6.3	616,798	51.7	53,102	669,900	53.8
September	1,186,806	1,137,981	520,919	45.8	70,654	6.2	546,408	48.0	48,824	595,232	50.2
October	1,208,133	1,163,251	526,579	45.3	68,562	5.9	568,110	48.8	44,882	612,992	50.7
November	1,141,298	1,100,760	503,072	45.7	67,851	6.2	529,837	48.1	40,538	570,375	50.0
December	1,145,103	1,106,499	502,648	45.4	62,989	5.7	540,862	48.9	38,604	579,466	50.6

1/ The skim milk available for manufacturing purposes in California is Total Commercial Skim Milk Production excluding Market Milk Class 1 and Mandatory Class 2 Skim Milk Usage.

SALES OF CLASS 1 MARKET MILK PRODUCTS

Total sales of Class 1 market milk products in California during 1983 amounted to approximately 718.3 million gallons. This included 648.7 million gallons of fluid whole milk and lowfat milk, 42.8 million gallons of fluid skim milk, 10.1 million gallons of half-and-half, and 16.8 million gallons of yogurt and miscellaneous Class 1 products. The sales of fluid whole and lowfat milk included approximately 16.0 million gallons to the Federal Government and 632.7 million gallons to the civilian trade.

Beginning January 1974, changes were made in the usage classification of several products made with market grade milk. The changes which are reflected in this section are as follows: (1) The product called flavored dairy drink was replaced by flavored lowfat milk, and flavored nonfat milk, and included as components of lowfat milk sales, and fluid skim milk sales, respectively; (2) all fluid cream items except half-and-half became Class 2 usage items; and (3) yogurt sales plus sales of the Class 1 skim portion of imitation milk products have been included as part of Class 1 sales. Because of these changes, valid comparisons between 1983 Class 1 sales and Class 1 sales for years prior to 1974 are difficult.

Between 1982 and 1983, total Class 1 sales were up 1.6 percent. Sales of fluid whole and lowfat milk increased 1.3 percent, sales of fluid skim milk increased 0.8 percent, and sales of fluid half-and-half were up 3.8 percent.

A summary of fluid milk sales by type of trade in California for the years 1966 through 1983 is presented in Table 36. During 1983, sales of market whole milk and lowfat milk to the wholesale trade (stores, restaurants, schools, hospitals, etc.) by distributors on their own routes represented 84.9 percent of total sales; sales by distributors on their own routes to retail customers accounted for 0.2 percent; sales to retail customers cash-and-carry at ranch and/or processing plant, 0.6 percent; sales to subdistributors or peddlers for resale to the trade, 11.9 percent; and sales to the Federal Government, 2.5 percent.

TABLE 25. SALES OF CLASS 1 MARKET MILK PRODUCTS IN CALIFORNIA, BY YEARS 1966-1983

	Whole and Lowfat Milk			Market Skim Milk	Flavored Dairy Drink	Half-and-Half	Market Cream			Total Class 1 2/
	Total	Federal Gov.	Other				Total	Sour	Other	
	(thousand gallons)									
1966	574,852	41,792	533,060	33,228	10,024	12,455	4,704	3,093	1,611	635,263
1967	574,084	40,897	533,187	34,015	9,637	11,711	4,647	3,120	1,527	634,094
1968	571,642	40,181	531,461	35,193	10,226	11,136	4,565	3,283	1,282	632,762
1969	568,672	37,630	531,042	34,904	10,341	10,412	4,197	3,350	847	628,526
1970	568,797	32,626	536,171	34,529	10,391	9,707	4,414	3,556	858	627,838
1971	569,655	30,396	539,259	36,220	9,864	8,427	4,516	3,597	919	628,682
1972	594,110	30,628	563,482	39,738	10,231	8,087	4,478	3,581	397	656,644
1973	600,990	30,178	570,812	41,523	9,820	8,166	4,605	3,773	832	665,104
1974	601,450	27,972	573,478	43,639	---	8,212	---	---	---	667,482
1975	609,327	23,428	585,899	46,263	---	8,207	---	---	---	678,782
1976	634,292	21,683	612,609	46,540	---	8,516	---	---	---	701,461
1977	646,060	20,254	625,806	47,312	---	8,614	---	---	---	714,355
1978	654,784	18,077	636,707	46,097	---	9,095	---	---	---	722,296
1979	662,761	17,203	645,558	45,046	---	9,378	---	---	---	731,723
1980	655,269	16,243	639,026	44,694	---	9,394	---	---	---	725,455
1981	650,965	15,476	635,489	44,170	---	9,650	---	---	---	719,615
1982	640,484	15,340	625,144	42,429	---	9,700	---	---	---	707,272
1983	648,682	15,970	632,712	42,768	---	10,068	---	---	---	718,273
1980										
January	56,918	1,434	55,484	3,746		769				62,735
February	53,761	1,338	52,423	3,734	Included	740				59,641
March	55,055	1,365	53,690	3,897	in	773	No longer Class 1			61,169
April	53,808	1,398	52,410	3,949	Market	757	products			59,958
May	55,674	1,339	54,335	3,939	Whole,	792				61,917
June	50,782	1,172	49,610	3,536	Lowfat,	772				56,512
July	54,059	1,380	52,679	3,482	and	809				59,739
August	53,329	1,320	52,009	3,437	Skim	784				58,875
September	55,340	1,373	53,967	3,712	Milk	765				61,160
October	58,067	1,455	56,612	4,070		796				64,312
November	53,236	1,337	51,899	3,601		780				58,722
December	55,240	1,332	53,908	3,591		857				60,716
1981										
January	56,513	1,348	55,165	3,926		782				62,364
February	50,444	1,312	49,132	3,532	Included	710				55,886
March	56,442	1,494	54,948	4,062	in	792	No longer Class 1			62,657
April	53,508	1,340	52,268	3,806	Market	789	products			59,478
May	53,903	1,265	52,638	3,885	Whole,	793				59,902
June	52,435	1,218	51,217	3,634	Lowfat,	810				58,285
July	54,241	1,344	52,897	3,491	and	845				59,920
August	53,476	1,230	52,246	3,384	Skim	816				58,877
September	54,605	1,291	53,314	3,616	Milk	776				60,212
October	57,156	1,268	55,888	3,866		814				63,086
November	53,568	1,133	52,435	3,568		828				59,120
December	54,574	1,233	53,341	3,400		895				59,826
1982										
January	54,289	1,462	52,827	3,592		780				59,772
February	49,035	1,250	47,785	3,309	Included	726				54,258
March	55,738	1,291	54,447	3,858	in	817	No longer Class 1			61,754
April	53,090	1,276	51,814	3,606	Market	802	products			58,802
May	52,374	1,180	51,194	3,643	Whole,	790				58,124
June	51,056	1,232	49,824	3,371	Lowfat,	804				56,443
July	52,365	1,260	51,105	3,300	and	844				57,804
August	52,616	1,301	51,315	3,272	Skim	805				58,030
September	54,581	1,298	53,283	3,578	Milk	779				60,215
October	56,137	1,266	54,871	3,842		790				62,004
November	54,589	1,253	53,336	3,622		853				60,168
December	54,614	1,272	53,342	3,436		910				59,898
1983										
January	54,939	1,271	53,668	3,684		798				60,875
February	50,184	1,228	48,956	3,424	Included	746				55,692
March	56,123	1,464	54,659	3,819	in	855	No longer Class 1			62,350
April	53,487	1,405	52,082	3,721	Market	800	products			59,459
May	53,830	1,243	52,587	3,732	Whole,	881				59,989
June	51,372	1,318	50,054	3,340	Lowfat,	833				57,033
July	51,987	1,300	50,687	3,204	and	843				57,386
August	54,319	1,360	52,959	3,312	Skim	859				59,918
September	56,344	1,349	54,995	3,668	Milk	817				62,306
October	56,788	1,346	55,442	3,911		827				62,973
November	54,557	1,343	53,214	3,525		866				60,153
December	54,752	1,346	53,406	3,428		943				60,138

1/ Subsequent to 1973, total Class 1 includes yogurt and miscellaneous Class 1 products.

TABLE 26. CLASS 1 SALES OF SELECTED FLUID MARKET MILK PRODUCTS IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	Market Whole Milk	Market Lowfat Milk	Market Skim Milk	Half-and-Half	Total Class 1
			(gallons)		
Northern California	119,956,380	99,612,199	12,029,638	4,044,646	Sales of yogurt and miscellaneous Class 1 products not available by marketing areas
Central Valley	1,802,591	1,176,869	97,525	19,028	
South Valley	26,625,125	13,508,149	1,517,739	531,517	
Southern California	242,347,968	139,729,280	28,949,898	5,379,097	
Del Norte-Humboldt	2,079,280	1,524,449	166,804	78,534	
Out of Area	207,064	113,239	6,533	15,553	
STATE TOTALS	393,018,408	255,664,185	42,768,137	10,068,375	718,272,674

TABLE 27. CLASS 1 SALES OF SELECTED MARKET MILK PRODUCTS IN CALIFORNIA, BY MARKETING AREAS, BY MONTHS, 1983 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	19,891,924	18,124,497	20,246,142	19,247,422	19,518,669	18,401,710	18,939,620	19,949,171	20,689,960	20,821,806	19,784,300	20,027,642
Central Valley	215,623	251,433	276,397	274,983	273,342	256,748	260,532	256,441	283,795	261,708	242,679	242,332
South Valley	3,609,850	3,227,691	3,596,467	3,381,366	3,548,451	3,351,342	3,407,937	3,648,487	3,735,762	3,688,322	3,524,537	3,462,298
Southern California	35,353,995	32,425,972	36,291,989	34,758,151	34,721,256	33,209,199	33,089,912	34,271,436	35,758,488	36,404,352	35,060,330	35,061,163
Del Norte-Humboldt	316,828	300,515	358,181	326,621	349,935	298,367	306,553	329,364	329,548	321,159	309,723	302,273
Out of Area	33,006	24,633	27,721	19,722	30,586	28,163	30,363	34,401	31,646	28,079	26,215	27,854
STATE TOTALS	59,421,226	54,354,741	60,796,917	58,008,265	58,442,239	55,545,529	56,034,917	58,489,300	60,829,199	61,525,426	58,947,784	59,123,562

1/ Sales of yogurt and miscellaneous Class 1 products are not included because they are not available by marketing area.

TABLE 28. TOTAL SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	18,568,227	16,894,253	18,853,390	17,929,136	18,162,673	17,128,341	17,644,697	18,596,486	19,320,639	19,389,123	18,434,579	18,647,035
Central Valley	206,400	243,116	267,150	265,355	264,002	247,586	251,022	245,244	272,424	252,929	232,460	231,772
South Valley	3,425,384	3,059,238	3,402,500	3,211,696	3,368,870	3,180,436	3,240,776	3,472,837	3,573,161	3,519,930	3,367,672	3,310,774
Southern California	32,409,489	29,682,696	33,237,608	31,756,768	31,678,076	30,511,434	30,535,651	31,663,296	32,840,443	33,298,922	32,208,690	32,254,175
Del Norte-Humboldt	298,355	281,225	336,002	305,900	327,639	278,355	286,873	308,779	308,036	300,488	289,441	282,636
Out of Area	31,414	23,120	26,160	18,258	28,627	26,386	28,294	32,007	29,527	26,134	24,382	25,994
STATE TOTALS	54,939,269	50,183,648	56,122,810	53,487,113	53,829,887	51,372,538	51,987,313	54,318,649	56,344,230	56,787,526	54,557,224	54,752,386

1/ Sales of market whole milk and lowfat milk to the Federal Government are included.

TABLE 29. SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	18,084,652	16,441,650	18,321,775	17,451,482	17,708,596	16,646,907	17,193,575	18,111,733	18,839,354	18,890,816	17,958,651	18,167,042
Central Valley	170,387	156,108	171,385	176,330	166,445	158,916	161,560	158,268	175,708	162,085	149,999	150,689
South Valley	3,391,756	3,027,663	3,365,751	3,178,223	3,336,940	3,148,391	3,216,187	3,414,665	3,514,888	3,461,197	3,322,442	3,269,465
Southern California	31,692,416	29,026,634	32,438,646	30,952,872	31,019,556	29,796,265	29,801,751	30,934,205	32,128,085	32,601,601	31,469,978	31,510,762
Del Norte-Humboldt	297,863	280,763	335,419	305,322	327,121	277,958	286,296	308,217	307,420	300,022	288,914	282,170
Out of Area	31,414	23,120	26,160	18,258	28,627	26,386	28,294	32,007	29,527	26,134	24,382	25,994
STATE TOTALS	53,668,488	48,955,938	54,659,136	52,082,487	52,587,285	50,054,823	50,687,663	52,959,095	54,994,982	55,441,855	53,214,366	53,406,122

1/ Sales of market whole milk and lowfat milk to the Federal Government are not included. They are shown separately in Table 30.

TABLE 30. SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA TO THE FEDERAL GOVERNMENT BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
	(gallons)											
Northern California	483,575	452,603	531,615	477,654	454,077	481,434	451,122	484,753	481,285	498,307	475,928	479,993
Central Valley	36,013	87,008	95,765	19,025	97,557	88,670	89,462	86,976	96,716	90,844	82,461	81,083
South Valley	33,628	31,575	36,749	33,473	31,930	32,045	24,589	58,172	58,273	58,733	45,230	41,309
Southern California	717,073	656,062	798,962	803,896	658,520	715,169	733,900	729,091	712,359	697,321	738,712	743,413
Del Norte-Humboldt	492	462	583	578	518	397	577	562	616	466	527	466
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE TOTALS	1,270,781	1,227,710	1,463,674	1,404,626	1,242,602	1,317,715	1,299,650	1,359,554	1,349,249	1,345,671	1,342,858	1,346,264

TABLE 31. SALES OF MARKET WHOLE MILK IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
	(gallons)											
Northern California	10,126,256	9,222,856	10,239,588	9,677,738	9,756,556	9,534,680	9,935,009	10,536,342	10,490,425	10,404,475	9,879,857	10,152,598
Central Valley	127,097	148,133	163,630	160,224	156,726	154,670	158,996	156,004	157,704	142,165	136,180	141,062
South Valley	2,214,268	1,987,876	2,215,600	2,054,769	2,216,348	2,181,500	2,248,551	2,434,532	2,364,484	2,289,340	2,197,053	2,220,804
Southern California	20,477,966	18,711,835	21,071,594	20,011,490	19,882,938	19,498,350	19,733,764	20,622,130	20,828,110	20,848,309	20,226,179	20,435,303
Del Norte-Humboldt	169,781	158,897	194,727	178,069	188,891	160,205	170,595	183,642	176,658	170,062	164,281	163,472
Out of Area	20,135	15,455	17,490	11,895	18,645	17,260	18,537	21,322	18,321	16,709	15,716	15,579
STATE TOTALS	33,135,503	30,245,052	33,902,629	32,094,185	32,220,104	31,546,665	32,265,452	33,953,972	34,035,702	33,871,060	32,619,266	33,128,818

TABLE 32. SALES OF LOWFAT MARKET MILK IN CALIFORNIA, BY MARKETING AREAS, 1983 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	8,441,971	7,671,397	8,613,802	8,251,398	8,406,117	7,593,661	7,709,688	8,060,144	8,830,214	8,984,648	8,554,722	8,494,437
Central Valley	79,303	94,983	103,520	105,131	107,276	92,916	92,026	89,240	114,720	110,764	96,280	90,710
South Valley	1,211,116	1,071,362	1,186,900	1,156,927	1,152,522	998,936	992,225	1,038,305	1,208,677	1,230,590	1,170,619	1,089,970
Southern California	11,931,523	10,970,861	12,166,014	11,745,278	11,795,138	11,013,084	10,801,887	11,041,166	12,012,333	12,450,613	11,982,511	11,818,872
Del Norte-Humboldt	128,574	122,328	141,275	127,831	138,748	118,150	116,278	125,137	131,378	130,426	125,160	119,164
Out of Area	11,279	7,665	8,670	6,363	9,982	9,126	9,757	10,685	11,206	9,425	8,666	10,415
STATE TOTALS	21,803,766	19,938,596	22,220,181	21,392,928	21,609,783	19,825,873	19,721,861	20,364,677	22,308,528	22,916,466	21,937,958	21,623,568

1/ These data are included in Tables 28, 29, 30, and 36 to 41 inclusive.

TABLE 33. SALES OF MARKET SKIM MILK IN CALIFORNIA BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	1,005,250	932,059	1,050,178	998,930	1,020,804	949,759	965,048	1,006,251	1,035,771	1,092,296	992,302	980,990
Central Valley	8,210	7,368	8,407	8,536	8,146	8,108	8,190	8,545	8,868	8,092	7,674	7,381
South Valley	140,891	132,771	148,662	131,948	122,968	112,891	115,810	123,584	121,389	129,030	118,488	119,307
Southern California	2,514,383	2,337,793	2,595,581	2,566,565	2,563,753	2,256,108	2,102,049	2,159,679	2,486,737	2,667,523	2,392,629	2,307,098
Del Norte-Humboldt	14,750	14,057	15,731	14,610	15,347	13,132	12,573	13,128	14,462	13,574	13,174	12,266
Out of Area	569	502	585	378	576	293	590	700	610	555	511	664
STATE TOTALS	3,684,053	3,424,550	3,819,144	3,720,967	3,731,594	3,340,291	3,204,260	3,311,887	3,667,837	3,911,070	3,524,778	3,427,706

TABLE 34. SALES OF HALF-AND-HALF IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	318,447	298,185	342,574	319,356	335,192	323,610	329,875	346,434	333,550	340,387	357,419	399,617
Central Valley	1,013	949	840	1,092	1,194	1,054	1,320	2,652	2,503	687	2,545	3,179
South Valley	43,575	35,682	45,325	37,722	56,613	58,015	51,351	52,066	41,212	39,362	38,377	32,217
Southern California	430,123	405,483	458,800	434,818	479,427	441,657	452,212	448,461	431,308	437,907	459,011	499,890
Del Norte-Humboldt	3,723	5,233	6,448	6,111	6,949	6,880	7,107	7,457	7,050	7,097	7,108	7,371
Out of Area	1,023	1,011	976	1,086	1,383	1,484	1,479	1,694	1,509	1,390	1,322	1,196
STATE TOTALS	797,904	746,543	854,963	800,185	880,758	832,700	843,344	858,764	817,132	826,830	865,782	943,470

TABLE 35. SALES OF CLASS 1 YOGURT IN CALIFORNIA, 1977-1983

	1977	1978	1979	1980	1981	1982	1983
				(gallons)			
January	840,848	946,944	1,041,653	1,270,994	1,116,434	1,107,907	1,450,494
February	840,189	955,134	979,654	1,375,360	1,176,634	1,182,459	1,332,739
March	1,000,518	1,047,245	1,112,377	1,411,460	1,332,044	1,337,986	1,548,441
April	1,002,256	999,083	1,120,263	1,418,033	1,252,399	1,300,627	1,446,942
May	1,024,513	1,099,612	1,241,333	1,482,010	1,302,825	1,313,424	1,541,868
June	982,821	979,419	1,171,482	1,393,047	1,388,540	1,208,097	1,482,345
July	954,406	966,629	1,155,436	1,361,068	1,335,357	1,290,316	1,346,735
August	1,047,699	965,313	1,252,284	1,295,974	1,197,118	1,333,096	1,424,961
September	1,038,497	949,304	1,288,544	1,316,919	1,211,423	1,272,345	1,472,865
October	997,270	1,075,560	1,437,105	1,350,747	1,245,992	1,230,410	1,443,482
November	893,752	871,461	1,184,802	1,078,230	1,150,738	1,099,467	1,200,836
December	768,518	787,560	1,090,876	998,967	952,406	932,382	1,009,416
STATE TOTALS	11,391,287	11,643,264	14,075,809	15,752,809	14,661,910	14,608,516	16,701,124

TABLE 36. SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY TYPE OF TRADE, 1966-1983 1/

	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
			(thousand gallons)			
1966	328,760	105,551	39,502	56,473	41,792	572,078
1967	340,231	94,689	37,919	57,665	40,897	571,401
1968	350,504	83,247	35,293	59,935	40,181	569,160
1969	361,007	71,788	33,587	62,570	37,630	566,582
1970	379,699	49,879	31,690	73,051	32,626	566,945
1971	392,862	36,244	26,471	82,058	30,396	568,031
1972	416,564	31,096	24,880	89,512	30,628	592,680
1973	428,065	26,436	21,495	93,488	30,178	599,662
1974	439,995	16,668	18,779	96,472	27,973	599,887
1975	462,723	11,208	15,179	95,128	23,428	607,666
1976	488,481	8,610	12,141	101,974	21,683	632,889
1977	516,333	6,631	9,850	92,146	20,254	645,214
1978	538,073	5,534	8,607	83,983	18,077	654,274
1979	552,364	4,650	7,596	80,735	17,203	662,548
1980	552,691	2,814	6,509	76,682	16,245	654,941
1981	553,703	2,130	5,465	74,024	15,477	650,799
1982	545,833	1,978	4,491	72,842	15,340	640,484
1983	550,530	1,122	3,958	77,102	15,970	648,682
1980						
January	47,800	342	602	6,713	1,434	56,891
February	45,162	324	574	6,339	1,338	53,737
March	46,309	273	585	6,496	1,365	55,028
April	45,172	259	562	6,390	1,398	53,781
May	46,594	276	576	6,860	1,339	55,645
June	42,995	228	512	5,850	1,172	50,757
July	45,703	205	508	6,236	1,380	54,032
August	45,108	173	514	6,189	1,320	53,304
September	46,506	186	533	6,701	1,373	55,299
October	49,166	193	551	6,671	1,456	58,037
November	45,073	163	488	6,151	1,338	53,213
December	47,103	192	504	6,086	1,332	55,217
1981						
January	58,386	190	514	6,051	1,349	56,490
February	42,788	171	485	5,669	1,312	50,425
March	47,759	180	540	6,447	1,494	56,420
April	45,450	175	504	6,116	1,340	53,585
May	45,735	173	497	6,212	1,265	53,882
June	44,747	187	375	5,886	1,218	52,413
July	46,017	169	419	6,272	1,344	54,221
August	45,596	163	410	6,060	1,230	53,459
September	46,229	178	451	6,456	1,291	54,605
October	48,605	186	453	6,645	1,268	57,157
November	45,721	174	414	6,126	1,133	53,568
December	46,670	184	403	6,084	1,233	54,574
1982						
January	46,386	173	392	5,876	1,462	54,289
February	41,750	157	360	5,518	1,250	49,035
March	47,648	185	401	6,213	1,291	55,738
April	45,496	172	379	5,767	1,276	53,090
May	44,801	166	380	5,847	1,180	52,374
June	43,564	176	371	5,713	1,232	51,056
July	44,653	150	347	5,955	1,260	52,365
August	44,767	141	372	6,035	1,301	52,616
September	46,103	165	397	6,618	1,298	54,581
October	47,866	171	382	6,452	1,266	56,137
November	46,245	162	388	6,541	1,253	54,589
December	46,555	159	320	6,308	1,272	54,614
1983						
January	46,844	108	318	6,399	1,271	54,939
February	42,560	96	334	5,965	1,228	50,184
March	47,441	101	362	6,754	1,464	56,123
April	45,104	94	344	6,540	1,405	53,487
May	45,553	94	345	6,595	1,243	53,830
June	43,610	91	316	6,037	1,318	51,372
July	44,167	85	307	6,128	1,300	51,987
August	46,050	84	327	6,498	1,360	54,319
September	47,847	97	415	6,636	1,349	56,344
October	48,192	92	304	6,854	1,346	56,788
November	46,483	92	292	6,347	1,343	54,557
December	46,677	87	294	6,348	1,346	54,752

1/ Additional detail may be found in Tables 30, 37, 38, 39, 40, and 41.

TABLE 37. SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA MARKETING AREAS, BY TYPE OF TRADE, 1983 1/

Marketing Area	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
			(gallons)			
Northern California	184,185,467	122,761	430,515	29,077,490	5,752,346	219,568,579
Central Valley	1,957,880	---	---	---	1,021,580	2,979,460
South Valley	31,698,102	636,997	556,276	6,756,193	485,706	40,133,274
Southern California	330,136,231	356,317	2,950,357	39,929,866	8,704,477	382,077,248
Del Norte-Humboldt	2,552,425	6,148	21,056	1,017,856	6,244	3,603,729
Out of Area	---	---	---	320,303	---	320,303
STATE TOTALS	550,530,105	1,122,223	3,958,204	77,101,708	15,970,353	648,682,593

1/ Monthly detail for each of the trade types may be found in Tables 38, 39, 40, 41, and 30, respectively.

TABLE 38. WHOLESALE SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983 1/

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	15,527,171	14,099,342	15,764,526	14,952,225	15,107,900	14,329,246	14,904,737	15,693,894	16,240,400	16,134,776	15,611,975	15,819,275
Central Valley	170,387	156,108	171,385	176,330	166,445	158,916	161,560	158,268	175,708	162,085	149,999	150,689
South Valley	2,744,380	2,413,624	2,676,749	2,498,951	2,632,368	2,481,022	2,585,073	2,764,379	2,785,155	2,791,706	2,680,779	2,643,916
Southern California	28,190,890	25,688,315	28,579,398	27,251,632	27,410,529	26,447,274	26,317,165	27,221,321	28,437,368	28,895,932	27,834,252	27,862,155
Del Norte-Humboldt	211,585	203,154	249,001	224,997	236,100	194,045	198,083	211,774	208,596	207,874	206,333	200,883
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE TOTALS	46,844,413	42,560,543	47,441,059	45,104,135	45,553,342	43,610,503	44,166,618	46,049,636	47,847,227	48,192,373	46,483,338	46,676,918

1/ Sales to institutions, such as California correctional facilities, are included.

TABLE 39. RETAIL HOME-DELIVERED SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	11,832	10,956	11,008	10,535	10,806	10,327	9,847	9,907	9,663	9,427	9,334	9,119
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	57,001	52,294	58,232	55,658	56,895	54,133	49,813	48,738	50,673	51,666	50,579	51,315
Southern California	38,353	32,605	31,492	27,457	25,789	26,044	25,341	24,781	36,252	30,548	31,822	25,833
Del Norte-Humboldt	633	604	677	447	621	512	434	582	365	540	315	418
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE TOTALS	107,819	96,459	101,409	94,097	94,111	91,016	85,435	84,008	96,953	92,181	92,050	86,685

TABLE 40. CASH-AND-CARRY SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	45,844	42,186	47,287	46,860	33,278	30,441	30,946	32,532	30,253	31,221	30,286	29,381
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	46,788	52,287	46,697	50,312	47,614	43,018	43,392	45,328	48,513	40,154	42,062	50,111
Southern California	223,152	238,276	266,219	245,218	261,647	241,356	231,507	247,415	334,968	230,359	217,204	213,036
Del Norte-Humboldt	1,728	1,460	2,087	1,720	2,115	1,530	1,461	1,765	1,475	1,865	2,170	1,680
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE TOTALS	317,512	334,209	362,290	344,110	344,654	316,345	307,306	327,040	415,209	303,599	291,722	294,208

TABLE 41. PEDDLER SALES OF MARKET WHOLE MILK AND LOWFAT MILK IN CALIFORNIA, BY MARKETING AREAS, 1983

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						(gallons)						
Northern California	2,499,805	2,289,166	2,498,954	2,441,862	2,556,612	2,276,893	2,248,045	2,375,400	2,559,038	2,715,392	2,307,056	2,309,267
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	543,587	509,458	584,073	573,302	600,063	570,218	537,909	556,220	630,547	577,671	549,022	524,123
Southern California	3,240,021	3,067,438	3,561,537	3,428,565	3,321,591	3,081,591	3,227,738	3,440,688	3,319,497	3,444,762	3,386,700	3,409,738
Del Norte-Humboldt	83,917	75,545	83,654	78,158	88,285	81,871	86,318	94,096	96,984	89,743	80,096	79,189
Out of Area	31,414	23,120	26,160	18,258	28,627	26,386	28,294	32,007	29,527	26,134	24,382	25,994
STATE TOTALS	6,398,744	5,964,727	6,754,378	6,540,145	6,595,178	6,036,959	6,128,304	6,498,411	6,635,593	6,853,702	6,347,256	6,348,311

MANUFACTURE OF DAIRY PRODUCTS

Approximately 190.8 million pounds of butter were manufactured in California during 1983. This was 5.9 percent less than 1982 and 73.3 percent more than the amount produced 10 years earlier in 1973.

The total manufacture of cheese, other than cottage cheese, in California during 1983 was approximately 281.2 million pounds. This production was 12.4 percent more than in 1982 and approximately 6 times the amount produced 10 years earlier. Of the cheese manufactured in 1983 approximately 164.9 million pounds were whole-milk varieties and 116.4 million pounds were part-skim and full-skim varieties. Between 1982 and 1983, the manufacture of whole-milk cheese increased 19.4 percent and the manufacture of part-skim and full-skim cheese rose 3.8 percent. Table 46 presents the annual manufacture of cheese in California by major varieties for 1973 through 1983.

During 1983, approximately 84.3 million pounds of dry curd cottage cheese were manufactured in California. The addition of creaming mixtures to this curd resulted in an output of 83.3 million pounds of cottage cheese and 50.0 million pounds of lowfat cottage cheese. The approximate combined total of 133.3 million pounds manufactured represents cottage cheese in the form in which most of it is consumed. Between 1982 and 1983, the manufacture of cottage cheese and lowfat cottage cheese combined decreased approximately 0.9 percent. The manufacture of lowfat cottage cheese increased 1.5 percent while the manufacture of cottage cheese decreased 2.3 percent.

During 1983 approximately 163.8 million pounds of bulk unsweetened condensed skim milk were manufactured. This was 12.9 percent more than was manufactured during 1982.

During 1983 approximately 267.1 million pounds of nonfat-dry-milk for human consumption and 1.5 million pounds of nonfat-dry-milk for animal feed were manufactured in California. This was a decrease of 4.5 percent from 1982 for nonfat-dry-milk for human consumption and a decrease of 20.3 percent for nonfat-dry-milk for animal feed.

Approximately 9.8 million gallons of fluid buttermilk were manufactured in California during 1983. This was 1.2 percent more than the output during 1982.

The manufacture of frozen dairy products in California during 1983 included approximately 101.1 million gallons of ice cream; 27.8 million gallons of ice milk; 4.8 million gallons of sherbet; 0.4 million gallons of imitation ice cream; and 0.4 million gallons of imitation ice milk. The approximate total of 134.5 million gallons was 4.4 percent more than that manufactured during 1982. The above figures do not include approximately 3.4 million gallons of frozen yogurt manufactured in California in 1983. From 1982 to 1983 the manufacture of ice cream rose 6.1 percent. During the same period the manufacture of ice milk increased 0.4 percent, the manufacture of sherbet increased 0.2 percent, the manufacture of imitation ice cream declined 41.7 percent, and the manufacture of imitation ice milk was down 15.6 percent.

TABLE 42. MANUFACTURE OF BUTTER IN CALIFORNIA BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	10,747,814	10,962,167	12,592,617	13,936,278	14,651,221	16,389,834	13,706,153	17,472,840	18,269,455	20,171,690	19,308,876
February	9,148,061	9,989,288	11,202,981	12,275,942	12,123,977	13,686,543	11,204,275	14,368,038	15,261,939	17,724,011	16,325,399
March	9,896,787	10,151,825	12,694,039	13,381,540	14,640,591	13,185,028	10,475,405	15,021,046	17,293,307	19,363,903	16,725,687
April	9,089,760	11,072,643	12,346,089	12,676,329	12,989,137	11,994,616	12,368,969	15,708,064	16,438,185	18,841,361	16,765,427
May	9,311,851	11,202,095	12,152,798	13,157,264	14,192,474	11,799,244	12,422,328	16,267,872	16,086,130	17,107,921	16,684,347
June	9,261,617	10,944,203	10,661,744	12,762,151	13,486,607	10,409,551	11,563,892	14,940,750	14,212,188	15,287,300	14,013,743
July	9,037,054	11,306,455	11,825,001	12,262,099	12,721,550	11,422,898	12,035,293	15,712,291	13,882,773	15,696,889	15,056,091
August	8,991,494	10,995,455	11,774,787	12,853,778	12,038,240	10,539,619	12,783,856	14,458,690	14,769,701	14,848,865	14,505,658
September	8,054,716	9,914,230	10,514,034	11,398,496	11,806,168	11,203,995	12,166,567	15,861,546	15,217,859	15,058,144	14,494,730
October	9,537,611	10,197,702	10,564,615	11,857,142	13,231,827	9,629,160	12,738,973	15,906,239	18,197,073	16,634,931	16,707,427
November	8,163,152	8,643,438	9,993,856	9,275,922	11,621,442	8,443,751	12,250,821	13,560,172	15,647,474	15,017,214	14,664,231
December	8,855,105	10,229,583	10,326,667	11,198,867	13,439,129	10,230,387	13,250,536	15,905,969	17,084,388	16,975,480	15,533,196
Total	110,095,022	125,609,084	135,649,228	147,035,808	156,942,363	138,934,626	146,967,068	185,183,517	192,360,472	202,727,709	190,784,812

TABLE 43. MANUFACTURE OF CHEESE IN CALIFORNIA BY MONTHS, 1973-1983 1/

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	2,233,308	4,649,592	6,202,997	7,476,324	8,158,312	10,328,275	10,766,265	14,352,620	17,117,546	17,945,363	21,433,084
February	2,289,013	4,484,033	5,876,912	7,637,086	8,118,298	9,626,606	10,342,118	13,146,565	15,422,383	16,353,797	19,287,803
March	2,899,174	5,033,831	6,665,847	9,044,514	9,878,286	11,967,421	12,547,113	15,308,768	16,529,001	20,126,014	22,147,171
April	3,292,223	5,435,744	6,286,724	9,559,424	9,916,529	10,775,623	11,842,136	14,946,930	17,722,116	19,322,816	22,117,574
May	3,819,122	5,872,282	7,471,913	10,379,926	11,314,658	11,310,657	12,228,238	13,378,250	17,815,483	20,515,583	24,203,822
June	3,874,440	5,432,056	8,217,868	11,023,764	11,029,671	11,456,958	12,025,544	14,002,562	17,536,362	22,269,576	24,885,643
July	4,372,380	5,887,643	9,399,952	10,103,545	11,163,118	11,853,075	12,778,746	14,398,465	18,854,750	22,930,450	25,925,934
August	4,374,188	5,893,822	9,615,096	10,392,298	11,243,315	12,447,630	13,591,125	14,636,988	18,978,505	22,611,395	25,212,218
September	4,142,191	5,635,315	8,455,844	9,128,563	10,723,482	11,894,911	12,093,152	16,334,455	17,900,474	21,554,075	23,948,391
October	4,713,454	6,064,461	8,152,451	8,804,821	10,997,352	11,701,208	13,954,023	16,642,842	17,655,878	22,198,747	23,795,552
November	4,539,707	6,150,569	7,985,092	9,188,693	11,466,235	11,821,115	14,887,518	17,080,435	17,263,035	22,080,994	23,999,870
December	5,038,116	5,886,396	8,544,711	9,374,902	11,767,975	11,773,045	14,747,070	17,232,681	17,880,507	22,349,120	24,292,610
Total	45,587,316	66,425,744	92,875,407	112,113,860	125,777,231	136,956,524	151,803,048	181,461,561	210,676,040	250,257,930	281,249,672

1/ Cottage cheese is excluded.

TABLE 44. MANUFACTURE OF WHOLE-MILK CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	1,005,239	1,560,920	1,511,660	2,042,267	2,294,249	3,103,047	3,294,742	5,793,911	7,405,476	10,219,835	12,323,899
February	1,029,721	1,486,849	1,377,894	2,059,710	2,481,482	3,040,349	3,441,575	5,332,701	6,861,335	9,381,816	10,743,409
March	1,317,267	1,809,457	1,646,762	2,535,844	3,477,078	4,226,157	4,467,087	6,273,763	7,658,588	9,511,834	13,174,356
April	1,307,023	1,846,736	1,452,349	2,634,464	3,066,458	3,368,812	4,162,377	6,577,656	7,946,504	8,783,492	13,105,931
May	1,495,538	1,924,140	1,813,742	2,388,070	3,435,374	3,898,227	4,100,322	6,988,406	7,940,171	11,875,399	14,175,483
June	1,452,816	1,669,649	2,007,923	2,701,323	3,233,817	3,867,179	4,359,996	7,447,266	8,290,020	12,414,808	15,079,106
July	1,514,552	1,827,988	2,085,959	2,663,221	3,433,669	3,728,329	4,422,971	7,779,555	10,393,659	12,739,109	15,709,965
August	1,724,906	1,936,283	2,033,691	2,715,814	3,314,091	4,015,751	4,559,802	6,785,922	10,685,986	12,512,398	14,877,643
September	1,443,974	1,708,975	1,891,202	2,628,726	3,370,561	3,841,589	4,261,523	7,061,751	10,014,976	12,167,025	13,914,406
October	1,617,688	1,846,738	2,314,405	2,795,602	3,576,313	4,011,264	5,796,295	6,479,511	9,734,609	12,896,818	13,161,473
November	1,800,186	1,953,805	2,161,720	3,128,518	4,274,277	4,335,231	6,730,691	7,141,578	10,296,183	12,853,260	14,352,878
December	1,827,587	1,735,493	2,405,543	3,014,070	4,059,110	3,984,139	6,327,398	7,043,474	10,029,239	12,750,256	14,266,908
Total	17,536,497	21,307,033	22,702,850	31,307,629	40,016,479	45,420,074	55,924,779	80,705,494	107,256,746	138,106,050	164,885,457

TABLE 45. MANUFACTURE OF PART-SKIM AND FULL-SKIM CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	1,228,069	3,088,672	4,691,337	5,434,057	5,864,063	7,225,228	7,471,523	8,558,709	9,712,070	7,725,528	9,109,185
February	1,259,292	2,997,184	4,499,018	5,577,376	5,636,816	6,586,257	6,900,543	7,813,864	8,561,048	6,971,981	8,544,394
March	1,581,907	3,224,374	5,019,085	6,508,670	6,401,208	7,741,264	8,080,026	9,035,005	8,870,413	10,614,180	8,972,815
April	1,985,200	3,589,008	4,834,375	6,924,960	6,850,071	7,406,811	7,679,759	8,369,274	9,775,612	10,539,324	9,011,643
May	2,323,584	3,948,142	5,658,171	7,991,856	7,879,284	7,412,430	8,127,916	6,389,844	9,875,312	8,640,184	10,028,339
June	2,421,624	3,762,407	6,209,945	8,322,441	7,795,854	7,589,779	7,665,548	6,555,296	9,246,342	9,854,768	9,806,537
July	2,857,828	4,059,655	7,313,993	7,440,324	7,729,449	8,124,746	8,355,775	6,857,433	8,461,091	10,191,341	10,215,969
August	2,649,282	3,957,539	7,581,405	7,676,484	7,929,224	8,431,879	9,031,323	7,612,543	8,292,519	10,098,997	10,334,575
September	2,698,217	3,926,340	6,564,642	6,499,837	7,352,921	8,053,322	7,831,629	9,272,704	7,885,498	9,387,050	10,033,985
October	3,095,766	4,217,723	5,838,046	6,009,219	7,421,039	7,689,944	8,157,728	10,163,331	7,921,269	9,301,929	10,634,079
November	2,739,521	4,196,764	5,823,372	6,060,175	7,191,958	7,485,884	8,156,827	9,938,857	6,966,852	9,227,734	9,646,992
December	3,210,529	4,150,903	6,139,168	6,360,832	7,708,865	7,788,906	8,419,672	10,189,207	7,851,268	9,598,864	10,025,702
Total	28,050,819	45,118,711	70,172,557	80,806,231	85,760,752	91,536,450	95,878,269	100,756,067	103,419,294	112,151,880	116,364,215

TABLE 46. MANUFACTURE OF CHEESE IN CALIFORNIA, BY VARIETIES, 1973-1983 1/

	WHOLE-MILK CHEESE						Part and Full-skim Cheese	Total
	American Cheddar	Monterey	Cream	Italian	Other Varieties	All Varieties	All Varieties	
	(pounds)							
1973	932,836	4,170,950	3,009,665	7,716,990	1,706,056	17,536,497	28,050,819	45,587,316
1974	1,217,078	4,185,017	3,698,368	10,669,735	1,536,835	21,307,033	45,118,711	66,425,744
1975	1,044,126	4,390,338	4,728,098	10,957,821	1,582,467	22,702,850	70,172,557	92,875,407
1976	2,229,402	6,255,894	6,121,087	15,037,311	1,663,935	31,307,629	80,806,231	112,113,860
1977	4,907,528	7,428,076	8,602,083	17,848,167	1,230,625	40,016,479	85,760,752	125,777,231
1978	6,104,926	9,240,999	9,489,692	19,430,775	1,153,682	45,420,074	91,536,450	136,956,524
1979	12,608,285	10,892,975	9,718,490	21,449,818	1,255,231	55,924,799	95,878,269	151,803,068
1980	36,421,283	11,284,408	7,170,170	24,402,956	1,426,677	80,705,494	100,756,067	181,461,561
1981	57,137,034	13,806,456	8,564,955	26,354,122	1,394,179	107,256,746	103,419,294	210,676,040
1982	78,720,707	19,023,143	10,811,407	28,163,450	1,387,343	138,106,050	112,151,880	250,257,930
1983	84,747,859	25,067,086	11,183,010	42,543,960	1,343,542	164,885,457	116,364,215	281,249,672

1/ Cottage cheese is excluded.

TABLE 47. MANUFACTURE OF DRY CURD COTTAGE CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
	(pounds)										
January	9,848,332	9,647,590	8,772,633	8,784,816	8,821,369	8,555,193	8,553,584	8,388,650	8,316,490	7,435,377	7,374,644
February	9,249,555	8,979,980	8,311,003	8,198,303	8,086,778	8,048,785	7,692,518	8,100,555	7,564,786	6,955,977	6,760,261
March	10,511,685	9,880,725	8,769,151	9,343,707	9,207,129	9,127,474	9,124,044	8,786,304	8,423,881	8,102,337	7,645,925
April	10,157,696	9,290,489	8,466,937	8,838,416	8,840,526	8,766,513	8,407,773	8,650,741	8,486,280	7,623,330	7,549,011
May	10,480,321	9,639,003	9,424,678	9,691,827	9,247,397	9,521,989	9,175,161	8,742,730	9,102,668	8,026,146	7,501,383
June	10,016,360	9,318,624	9,065,336	9,290,274	9,141,362	8,960,525	8,682,715	8,494,076	9,119,751	7,630,116	7,287,505
July	10,048,587	9,546,019	8,852,506	9,427,987	8,908,293	8,498,589	8,550,961	9,016,215	8,997,098	7,651,955	7,118,641
August	9,722,168	9,368,456	8,650,326	9,076,138	9,170,486	9,048,073	8,962,626	8,932,936	8,444,538	7,662,961	7,409,483
September	8,980,985	9,107,393	8,502,292	9,050,109	8,815,959	8,750,809	8,637,639	8,224,678	7,864,806	7,362,107	6,965,640
October	9,625,066	9,276,813	8,788,308	8,985,906	8,744,202	9,122,082	8,761,860	8,449,034	7,413,406	7,282,424	6,765,722
November	8,631,898	8,301,323	7,895,481	8,467,297	8,172,446	7,892,489	7,344,452	7,823,489	7,117,964	6,340,007	6,236,695
December	8,190,118	7,800,942	7,593,574	7,442,166	7,683,556	7,164,394	7,528,050	7,279,978	6,624,347	5,997,343	5,730,292
Total	115,462,771	110,157,357	103,092,225	106,596,946	104,839,503	103,456,915	101,421,383	100,889,386	97,476,015	88,070,080	84,345,202

TABLE 48. MANUFACTURE OF LOWFAT COTTAGE CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983 1/

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	3,752,615	3,652,816	3,470,980	3,616,842	3,600,474	3,764,804	3,843,544	4,061,641	4,209,653	4,006,481	4,361,457
February	3,427,589	3,374,184	3,084,193	3,430,932	3,345,070	3,488,713	3,495,923	3,883,595	3,878,860	3,861,500	3,931,079
March	3,834,360	3,649,387	3,455,308	3,888,849	3,768,905	4,096,729	4,135,972	4,180,645	4,402,320	4,518,937	4,501,084
April	3,803,646	3,400,144	3,498,758	3,619,523	3,626,851	3,903,565	3,936,209	4,286,549	4,475,300	4,324,553	4,477,603
May	3,919,410	3,621,149	3,954,872	3,919,527	3,899,727	4,361,463	4,411,876	4,338,204	4,929,638	4,439,553	4,572,122
June	3,691,540	3,387,994	3,698,119	3,794,034	3,608,846	4,003,132	3,976,245	4,332,653	4,749,096	4,161,630	4,382,668
July	3,517,045	3,474,205	3,681,714	3,792,626	3,399,140	3,692,613	3,996,987	4,646,651	4,675,398	4,415,952	4,213,732
August	3,592,990	3,416,813	3,407,600	3,633,665	3,749,424	3,897,303	4,100,634	4,391,793	4,272,917	4,293,888	4,400,662
September	3,282,688	3,284,650	3,440,069	3,658,316	3,695,580	3,817,076	3,950,592	4,145,787	4,209,363	4,138,996	4,217,897
October	3,525,453	3,400,493	3,554,722	3,577,577	3,651,488	3,945,632	4,084,960	4,314,793	4,065,081	4,067,088	4,069,631
November	3,181,226	3,009,683	3,138,655	3,376,688	3,565,145	3,520,483	3,473,883	3,762,716	3,857,898	3,658,666	3,553,680
December	2,849,687	2,824,548	3,062,314	3,043,142	3,262,509	3,155,652	3,382,094	3,535,297	3,578,737	3,408,023	3,336,305
Total	42,378,249	40,496,066	41,447,304	43,351,721	43,173,159	45,647,165	46,788,919	49,880,324	51,304,261	49,295,267	50,017,920

1/ Lowfat cottage cheese is partially creamed.

TABLE 49. MANUFACTURE OF COTTAGE CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	10,804,752	9,745,751	8,956,412	8,310,661	8,681,220	8,298,828	8,444,323	8,223,870	7,665,950	7,239,576	7,081,527
February	9,875,845	8,949,872	7,710,650	8,206,176	8,099,161	7,760,148	7,565,154	7,826,150	7,115,675	6,699,119	6,351,363
March	11,245,319	9,832,001	8,747,378	9,315,200	8,892,550	8,832,732	8,869,190	8,525,449	7,902,243	7,708,171	7,229,474
April	10,980,159	9,196,416	8,669,944	8,868,354	8,609,387	8,437,073	8,380,940	8,342,269	7,830,824	7,205,769	7,019,945
May	11,313,984	9,862,835	9,101,057	10,146,033	9,131,717	9,193,496	8,879,447	8,289,668	8,259,049	7,567,194	7,476,893
June	10,581,870	9,176,694	9,112,443	9,343,647	9,153,393	8,809,945	8,604,792	8,205,420	8,255,515	7,200,281	7,127,575
July	10,389,940	9,306,534	9,050,408	9,356,554	8,993,469	8,496,558	8,718,928	8,548,389	8,220,776	7,257,056	7,100,718
August	9,895,712	9,182,377	8,885,774	9,131,928	9,053,997	8,779,886	8,854,460	8,530,618	7,800,747	7,468,767	7,554,627
September	8,941,931	8,893,337	8,691,062	9,068,372	8,583,848	8,407,266	8,518,996	7,891,790	7,605,910	7,247,078	7,039,973
October	9,851,435	9,076,318	8,629,939	8,967,540	8,580,982	8,969,546	8,595,947	8,200,186	7,341,109	7,227,101	6,960,590
November	8,744,174	8,025,690	7,821,195	8,461,539	8,042,024	7,769,617	7,523,897	7,302,111	7,053,774	6,396,579	6,508,451
December	8,311,238	7,717,472	7,700,769	7,762,676	7,642,962	6,980,292	7,477,502	6,762,964	6,598,175	6,045,935	5,838,795
Total	120,936,359	108,965,297	103,077,031	106,938,680	103,464,710	100,735,387	100,433,576	96,648,884	91,649,747	85,262,626	83,289,931

TABLE 50. MANUFACTURE OF COTTAGE CHEESE AND LOWFAT COTTAGE CHEESE IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	14,557,367	13,398,567	12,427,392	11,927,503	12,281,694	12,063,632	12,287,867	12,285,511	11,875,603	11,246,057	11,442,984
February	13,303,434	12,324,056	10,794,843	11,637,108	11,444,231	11,248,861	11,061,077	11,709,745	10,994,535	10,560,619	10,282,442
March	15,079,679	13,481,388	12,202,686	13,204,049	12,661,455	12,929,461	13,005,162	12,706,094	12,304,563	12,227,108	11,730,558
April	14,783,805	12,596,560	12,168,702	12,487,877	12,236,238	12,340,638	12,317,149	12,628,818	12,306,124	11,530,322	11,497,548
May	15,233,394	13,483,984	13,055,929	14,065,560	13,031,444	13,554,959	13,291,323	12,627,872	13,188,687	12,006,747	12,049,015
June	14,273,410	12,564,688	12,810,562	13,137,681	12,762,239	12,813,077	12,581,037	12,538,073	13,004,611	11,361,911	11,510,243
July	13,906,985	12,780,739	12,732,122	13,149,180	12,392,609	12,189,171	12,715,915	13,195,040	12,896,174	11,673,008	11,314,450
August	13,488,702	12,599,190	12,293,374	12,765,593	12,803,421	12,677,189	12,955,094	12,922,411	12,073,664	11,762,655	11,955,289
September	12,224,619	12,177,987	12,131,131	12,726,688	12,279,428	12,224,342	12,469,588	12,037,577	11,815,273	11,386,074	11,257,870
October	13,376,888	12,476,811	12,184,661	12,545,117	12,232,470	12,915,178	12,680,907	12,514,979	11,406,190	11,294,189	11,030,221
November	11,925,400	11,035,373	10,959,850	11,838,227	11,607,169	11,290,100	10,997,780	11,064,827	10,911,672	10,055,245	10,062,131
December	11,160,925	10,542,020	10,763,083	10,805,818	10,905,471	10,135,944	10,859,596	10,298,261	10,176,912	9,453,958	9,175,100
Total	163,314,608	149,461,363	144,524,335	150,290,401	146,637,869	146,382,552	147,222,495	146,529,208	142,954,008	134,557,893	133,307,851

TABLE 51. MANUFACTURE OF UNSWEETENED CONDENSED SKIM MILK IN CALIFORNIA, BY MONTHS, 1973-1983 1/

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	10,433,802	9,618,695	9,165,078	8,081,236	9,791,654	9,268,658	8,584,679	9,476,052	9,868,071	9,208,647	12,952,059
February	10,594,210	8,811,569	7,626,459	8,201,451	8,328,236	7,214,443	7,120,651	9,711,197	9,459,283	8,319,233	9,595,845
March	12,483,369	9,978,255	10,450,273	9,840,149	11,011,688	8,853,721	8,760,017	10,154,329	9,388,627	11,687,943	11,256,307
April	13,233,224	10,940,951	10,763,924	10,614,597	11,642,026	8,659,040	8,655,491	10,989,971	10,700,235	11,045,774	11,716,635
May	12,853,921	11,089,064	11,468,445	11,850,413	11,066,750	9,058,303	9,639,221	11,671,242	9,812,147	16,154,701	14,202,202
June	12,474,890	11,595,566	14,741,690	12,855,870	12,452,324	10,009,188	9,246,262	12,146,707	10,418,619	15,524,990	15,564,762
July	12,874,086	13,153,165	13,026,091	12,124,769	12,143,686	9,853,672	11,642,227	12,311,181	11,349,757	10,831,618	15,739,444
August	11,706,891	11,506,969	11,359,065	14,263,072	12,014,477	10,103,618	11,964,264	12,401,967	10,236,911	14,143,380	15,478,554
September	10,464,241	8,413,245	10,234,208	11,613,428	10,573,345	8,857,169	9,834,736	11,008,721	9,523,691	13,029,751	15,211,243
October	9,611,800	8,993,785	10,438,376	9,015,675	10,347,985	9,863,190	11,297,223	10,517,682	10,294,324	12,724,473	14,143,687
November	9,693,914	8,225,159	9,021,033	10,299,855	10,199,332	9,065,406	9,362,524	10,300,488	10,949,862	11,120,135	14,324,952
December	6,768,616	11,234,731	9,159,881	9,641,787	12,511,926	8,692,871	10,396,026	10,345,447	10,981,930	11,308,766	13,531,586
Total	133,192,964	123,561,154	127,454,523	128,402,302	132,083,429	109,499,279	116,503,321	131,034,984	122,983,457	145,099,411	163,817,276

1/ Bulk goods.

TABLE 52. MANUFACTURE OF NONFAT-DRY-MILK IN CALIFORNIA FOR HUMAN CONSUMPTION, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	9,253,676	7,475,740	9,035,862	10,791,036	10,569,350	12,884,450	8,962,224	15,454,077	18,455,445	22,994,664	21,424,183
February	8,797,675	7,804,479	9,503,929	10,851,296	11,593,076	11,016,653	8,304,622	14,475,250	17,534,087	21,590,016	16,494,334
March	10,037,828	9,830,353	10,833,292	12,610,301	13,315,478	11,648,330	11,524,576	16,033,128	21,114,324	24,702,566	20,576,912
April	11,[illegible]2,706	12,958,129	13,377,070	15,492,510	16,561,669	13,698,670	15,928,614	20,152,911	22,446,860	23,931,326	23,146,591
May	14,[illegible]5,994	15,253,087	16,079,604	16,455,018	17,671,645	14,977,989	18,559,318	24,481,766	23,613,380	25,796,772	24,911,807
June	13,915,579	15,662,440	15,802,979	16,401,921	18,549,932	16,111,259	19,938,666	24,520,792	22,519,106	24,420,992	25,622,979
July	14,308,799	15,688,877	15,877,147	17,257,017	19,682,565	18,201,082	20,903,488	25,803,776	23,801,328	25,471,509	27,128,242
August	13,101,637	14,994,998	14,624,309	16,156,848	17,252,583	15,872,671	20,696,740	23,783,065	23,490,570	24,560,029	24,292,875
September	10,053,913	10,693,257	10,831,815	11,865,423	14,203,492	12,268,126	17,022,984	20,647,326	21,878,667	21,893,654	19,967,215
October	8,527,775	9,519,112	10,589,187	11,166,815	14,205,928	10,186,067	16,358,759	19,929,656	23,815,803	22,116,181	22,674,789
November	8,159,914	7,820,894	9,459,471	10,278,288	12,279,436	9,446,170	15,056,120	17,652,461	21,334,319	20,008,441	20,233,197
December	9,097,916	9,718,696	10,869,052	11,869,999	13,979,498	10,586,351	15,189,768	19,682,429	23,271,639	22,111,699	20,623,356
Total	131,253,412	137,420,062	146,883,717	161,196,472	179,864,652	156,897,818	188,445,879	242,616,637	263,275,528	279,597,849	267,096,480

TABLE 53. MANUFACTURE OF NONFAT-DRY-MILK IN CALIFORNIA FOR ANIMAL FEED, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(pounds)					
January	59,551	59,167	65,507	66,638	58,617	85,559	58,359	86,577	134,919	137,936	150,742
February	53,738	45,809	63,984	57,275	68,169	91,792	56,539	100,878	94,365	119,782	108,078
March	67,881	64,327	78,300	53,911	76,625	89,570	64,650	133,266	154,188	135,077	88,087
April	66,718	98,672	90,718	105,228	90,662	90,652	86,380	99,863	126,439	192,902	131,393
May	82,6[illegible]2	77,119	108,030	202,646	112,930	101,778	118,655	133,522	148,126	235,174	132,764
June	89,295	107,751	144,855	82,613	115,699	98,670	106,576	155,472	180,054	233,343	126,088
July	106,926	152,679	156,867	111,120	139,194	145,775	150,033	154,648	210,961	172,949	203,572
August	89,306	205,000	139,450	112,797	134,706	96,819	152,431	132,554	138,140	190,686	187,312
September	74,914	70,679	109,324	98,043	114,654	88,036	107,556	183,154	186,125	186,563	112,363
October	58,896	68,118	62,264	98,943	115,868	78,788	120,645	137,595	167,370	105,243	88,082
November	66,960	45,694	47,761	61,746	74,969	83,432	96,416	127,027	174,985	95,564	90,130
December	65,157	50,423	66,002	53,746	84,598	85,563	108,413	143,926	268,310	125,667	119,429
Total	881,994	1,045,438	1,133,062	1,104,706	1,186,691	1,136,434	1,226,653	1,588,482	1,983,982	1,930,886	1,538,040

TABLE 54. MANUFACTURE OF BUTTERMILK IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	1,186,714	1,103,970	1,057,685	1,098,310	1,058,880	1,003,433	973,150	903,952	873,549	781,913	784,464
February	1,080,961	993,593	947,666	1,008,481	1,003,158	936,289	898,208	858,367	825,838	759,541	735,449
March	1,209,182	1,109,433	1,044,636	1,137,617	1,112,213	1,093,092	984,272	893,810	933,728	870,579	868,205
April	1,186,138	1,083,728	1,052,797	1,086,856	1,071,905	1,017,698	932,276	907,591	909,652	816,974	778,503
May	1,250,130	1,119,802	1,071,447	1,164,337	1,067,906	1,090,987	993,324	898,227	895,733	840,898	855,764
June	1,265,394	1,091,171	1,076,348	1,169,243	1,065,695	1,056,935	943,424	917,105	928,336	816,702	830,023
July	1,302,071	1,188,935	1,162,300	1,197,635	1,087,746	1,053,947	957,338	918,719	947,983	819,431	816,324
August	1,314,027	1,148,991	1,098,679	1,154,832	1,153,955	1,058,664	1,007,482	942,759	877,717	841,283	876,953
September	1,198,744	1,116,283	1,101,379	1,147,950	1,068,665	985,881	963,164	894,562	894,058	803,430	825,039
October	1,258,516	1,098,458	1,108,217	1,113,128	1,050,839	1,034,174	937,489	917,431	829,179	797,110	792,457
November	1,106,590	1,004,158	1,035,481	1,096,622	1,019,174	944,796	868,360	855,771	840,167	788,075	849,820
December	1,047,438	1,007,397	1,037,062	1,132,502	991,425	892,031	882,432	868,261	821,168	788,984	829,796
Total	14,405,905	13,065,919	12,793,697	13,507,513	12,751,561	12,167,927	11,340,919	10,776,555	10,577,108	9,724,920	9,842,797

TABLE 55. MANUFACTURE OF ICE CREAM IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	5,553,694	5,919,195	6,124,862	6,191,071	5,907,774	5,835,485	6,350,980	6,247,041	6,205,235	6,369,178	6,217,188
February	5,283,098	5,510,428	5,693,346	6,135,084	5,944,672	5,926,463	6,307,557	6,983,138	6,603,166	6,598,596	7,131,544
March	6,161,154	6,568,808	6,639,206	7,532,902	7,799,978	7,828,013	7,712,701	7,770,253	7,897,802	8,521,556	9,109,709
April	5,988,355	6,557,482	6,703,270	7,026,875	7,308,319	7,151,847	7,345,798	7,669,571	7,622,194	7,836,208	7,976,684
May	6,603,248	6,683,655	7,365,981	7,352,618	7,065,941	8,044,078	8,075,767	7,759,459	7,996,749	8,341,210	8,374,678
June	7,247,101	7,481,036	8,556,406	8,414,576	8,216,024	9,190,663	8,743,310	8,475,633	9,638,159	9,533,305	10,485,562
July	7,501,585	8,357,363	8,773,057	9,098,317	8,060,791	8,506,610	8,642,687	9,482,641	10,381,126	9,417,652	9,759,724
August	7,043,305	8,124,573	8,028,080	8,397,903	8,755,703	9,151,216	9,285,620	9,314,616	9,070,995	9,674,414	10,839,800
September	6,339,068	7,125,017	7,506,902	7,503,049	7,508,619	6,945,402	7,356,422	7,449,444	8,319,800	8,794,146	9,455,822
October	6,312,827	6,768,115	7,405,795	6,429,161	6,556,530	7,713,146	8,009,799	7,708,245	7,207,262	7,241,206	7,618,126
November	5,436,058	5,640,085	5,658,715	6,661,622	6,539,043	6,655,471	6,121,780	5,712,745	6,527,797	6,769,825	7,242,970
December	4,532,867	5,529,014	6,275,272	6,057,021	5,706,187	5,282,815	5,156,936	6,140,630	6,709,143	6,121,166	6,856,013
Total	74,002,360	80,264,771	84,730,892	86,800,199	85,369,581	88,231,209	89,109,357	90,713,416	94,179,428	95,238,462	101,067,820

TABLE 56. MANUFACTURE OF ICE MILK IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	1,934,187	2,235,050	1,899,744	1,900,399	1,713,423	1,782,391	1,877,067	1,872,419	1,881,620	1,809,087	1,679,849
February	1,855,842	1,937,291	1,866,529	1,824,942	1,869,612	2,012,162	1,904,318	2,001,004	1,981,683	1,952,525	1,838,821
March	2,327,313	2,270,860	2,351,827	2,512,319	2,521,498	2,469,702	2,425,873	2,346,037	2,283,809	2,328,022	2,249,443
April	2,425,483	2,437,799	2,297,546	2,264,591	2,334,809	2,322,322	2,301,330	2,335,254	2,551,102	2,378,287	2,113,932
May	2,630,683	2,709,705	2,775,099	2,534,664	2,503,741	2,933,525	2,629,670	2,552,836	2,527,268	2,571,628	2,652,139
June	2,906,770	2,719,560	2,903,342	2,615,247	2,856,664	2,958,212	2,740,882	2,622,433	2,977,307	2,660,004	2,720,504
July	2,826,442	3,037,060	3,142,004	2,669,884	2,738,493	2,770,006	2,788,345	2,936,872	2,960,275	2,787,994	2,702,191
August	2,849,978	2,959,873	2,863,496	2,469,495	2,926,940	3,008,282	2,802,117	2,843,620	2,595,438	2,831,783	2,977,533
September	2,361,769	2,537,053	2,596,843	2,312,986	2,568,294	2,383,569	2,509,214	2,708,163	2,486,816	2,452,936	2,638,887
October	2,349,299	2,446,155	2,466,981	2,194,081	2,311,192	2,509,024	2,496,452	2,488,298	2,173,617	2,267,901	2,391,954
November	1,955,866	1,851,859	2,020,465	2,049,072	1,972,672	2,119,654	2,119,034	1,899,994	1,915,522	1,928,209	1,964,902
December	1,675,699	1,682,336	2,024,371	1,868,762	1,799,371	1,733,465	1,822,970	2,149,025	2,042,557	1,761,571	1,913,665
Total	28,099,331	28,824,601	29,208,247	27,216,442	28,116,709	29,002,314	28,417,272	28,755,955	28,377,014	27,729,947	27,843,820

TABLE 57. MANUFACTURE OF SHERBET IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	422,739	460,598	425,339	397,052	411,666	349,157	383,318	364,749	311,770	347,199	300,390
February	406,516	401,815	330,019	437,252	386,777	313,724	329,255	336,516	349,817	293,585	313,134
March	479,159	455,098	455,128	533,318	500,613	462,368	456,522	385,572	401,241	412,352	376,730
April	484,435	531,311	473,018	517,125	440,192	404,669	381,212	451,686	376,517	397,404	386,881
May	581,688	531,205	521,658	517,225	519,196	523,444	489,162	437,732	447,270	443,050	427,181
June	625,895	677,441	610,483	772,432	583,643	614,240	593,302	438,194	552,303	483,359	522,594
July	725,906	673,779	610,724	764,628	603,670	520,876	549,096	609,372	674,031	462,494	466,175
August	558,509	692,469	561,021	578,995	681,118	532,562	546,676	553,245	459,737	534,173	549,806
September	492,581	537,475	535,232	568,992	486,265	392,661	422,243	367,276	464,936	467,853	450,009
October	456,270	466,134	493,205	423,015	382,210	497,272	465,705	416,086	328,654	320,424	349,525
November	387,248	371,711	331,810	435,332	387,815	355,030	329,777	289,340	260,100	297,396	329,927
December	301,871	366,655	433,046	388,799	327,574	265,793	241,448	365,870	325,359	287,516	282,559
Total	5,922,817	6,165,691	5,780,683	6,334,165	5,710,739	5,231,796	5,187,716	5,015,638	4,951,735	4,746,805	4,754,911

TABLE 58. MANUFACTURE OF IMITATION ICE CREAM IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(gallons)						
January	354,835	408,884	293,282	249,537	150,771	121,878	139,716	85,887	84,991	58,338	32,645
February	369,038	262,923	285,796	162,877	174,302	126,241	150,493	106,940	86,492	30,615	53,114
March	373,723	362,921	325,666	256,568	254,513	240,834	133,490	97,292	73,033	59,355	48,327
April	402,712	322,659	305,123	239,729	176,495	156,639	164,277	110,595	86,510	47,529	25,690
May	396,372	403,584	340,165	227,232	186,689	154,087	104,239	114,103	110,514	71,898	30,811
June	475,746	363,568	368,366	275,470	272,884	242,583	188,805	126,704	117,851	47,559	40,210
July	459,508	439,315	357,915	253,746	207,376	174,659	96,434	168,979	107,032	69,747	30,539
August	429,799	347,062	312,161	264,110	204,210	184,196	190,040	151,736	64,801	56,659	28,869
September	414,832	367,995	266,335	201,506	189,742	151,380	148,208	67,301	66,757	66,107	20,640
October	370,702	299,828	300,440	244,140	133,273	151,063	105,293	140,496	81,076	60,716	18,299
November	312,421	252,737	191,501	149,111	132,109	119,974	90,353	57,453	53,795	30,287	13,570
December	238,234	197,374	219,464	131,559	122,254	99,518	55,875	78,515	29,506	14,136	14,638
Total	4,597,922	4,028,850	3,572,214	2,655,585	2,204,618	1,923,052	1,567,223	1,306,001	962,358	612,946	357,352

TABLE 59. MANUFACTURE OF IMITATION ICE MILK IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
					(gallons)						
January	413,792	325,270	235,128	175,776	120,086	77,208	94,091	57,320	50,508	27,760	23,517
February	362,007	318,340	267,368	169,570	150,497	111,726	70,614	60,396	75,254	36,135	27,978
March	480,622	384,440	284,481	305,227	200,798	122,171	135,401	82,734	65,790	71,433	48,673
April	418,211	376,679	280,182	296,356	149,576	158,291	92,791	113,594	78,968	64,878	32,556
May	525,297	411,833	308,778	261,889	179,315	144,561	134,940	75,362	69,301	54,879	39,311
June	526,504	429,558	355,000	251,204	176,219	169,502	105,344	105,706	95,035	56,758	70,585
July	530,275	426,222	331,111	289,209	190,826	141,430	125,292	106,439	94,074	56,279	46,039
August	515,641	427,599	298,634	232,217	211,782	145,842	109,214	105,737	71,097	41,278	63,399
September	390,475	370,816	289,092	193,613	159,909	132,860	77,619	80,342	61,626	43,527	31,075
October	396,854	330,463	206,551	154,566	107,156	126,571	105,029	70,986	52,600	30,088	33,483
November	345,138	266,217	173,934	153,307	120,752	92,476	60,237	54,087	44,893	34,339	21,614
December	256,232	198,555	144,081	119,128	105,707	75,157	49,762	46,511	22,790	15,546	11,496
Total	5,161,048	4,265,992	3,174,340	2,602,062	1,872,623	1,497,795	1,160,334	959,214	781,936	532,900	449,726

TABLE 60. MANUFACTURE OF IMITATION ICE CREAM AND IMITATION ICE MILK IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	768,627	734,154	528,410	425,313	270,857	199,086	233,807	143,207	135,499	86,098	56,162
February	731,045	581,263	553,164	332,447	324,799	237,967	221,107	167,336	161,746	66,750	81,092
March	854,345	747,361	610,147	561,795	455,311	363,005	268,891	180,026	138,823	130,788	97,000
April	820,923	699,338	585,305	536,085	326,071	314,930	257,068	224,189	165,478	112,407	58,246
May	921,669	815,417	648,943	489,121	366,004	298,648	239,179	189,465	179,815	126,777	70,122
June	1,002,250	793,126	723,366	526,674	449,103	412,085	294,149	232,410	212,886	104,317	110,795
July	989,783	865,537	689,026	542,955	398,202	316,089	221,726	275,418	201,106	126,026	76,578
August	945,440	774,661	616,795	496,327	415,992	330,038	299,254	257,473	135,898	97,937	92,268
September	805,307	738,811	555,427	395,119	349,651	284,240	225,827	147,643	128,383	109,634	51,715
October	767,556	630,291	506,991	398,706	240,429	277,634	210,322	211,482	133,676	90,804	51,782
November	657,559	518,954	365,435	302,418	252,861	212,450	150,590	111,540	98,688	64,626	35,184
December	494,466	395,929	363,545	250,687	227,961	174,675	105,637	125,026	52,296	29,682	26,134
Total	9,758,970	8,294,842	6,746,554	5,257,647	4,077,241	3,420,847	2,727,557	2,265,215	1,744,294	1,145,846	807,078

TABLE 61. MANUFACTURE OF ICE CREAM, ICE MILK, SHERBET, IMITATION ICE CREAM, AND IMITATION ICE MILK IN CALIFORNIA, BY MONTHS, 1973-1983

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
						(gallons)					
January	8,679,247	9,348,997	8,978,355	8,913,835	8,303,720	8,166,119	8,845,172	8,627,416	8,534,125	8,611,562	8,253,589
February	8,276,501	8,430,797	8,443,058	8,729,725	8,525,860	8,490,316	8,762,237	9,487,994	9,096,412	8,911,456	9,364,591
March	9,821,971	10,042,127	10,056,308	11,140,334	11,277,400	11,123,088	10,863,987	10,681,888	10,721,675	11,392,718	11,832,882
April	9,719,196	10,225,930	10,059,139	10,344,676	10,409,391	10,193,768	10,285,408	10,680,700	10,715,291	10,744,306	10,535,743
May	10,737,288	10,739,982	11,311,681	10,893,628	10,454,882	11,799,695	11,433,778	10,939,492	11,151,102	11,482,665	11,524,120
June	11,782,016	11,671,163	12,793,597	12,328,929	12,105,434	13,175,200	12,371,643	11,768,670	13,380,655	12,780,985	13,839,455
July	12,043,716	12,933,739	13,214,811	13,075,784	11,801,156	12,113,581	12,201,854	13,304,303	14,216,538	12,794,166	13,004,668
August	11,397,232	12,551,576	12,669,392	11,942,720	12,779,753	13,022,098	12,933,667	12,968,954	12,262,068	13,138,307	14,459,407
September	9,998,725	10,938,356	11,194,404	10,780,146	10,912,829	10,005,872	10,513,706	10,672,526	11,399,935	11,824,569	12,596,433
October	9,885,952	10,310,695	10,872,972	9,444,963	9,490,361	10,997,076	11,182,278	10,824,111	9,843,209	9,920,335	10,411,387
November	8,436,731	8,382,609	8,376,425	9,448,444	9,152,391	9,342,605	8,721,181	8,013,619	8,802,107	9,060,056	9,572,983
December	7,004,903	7,973,934	9,096,234	8,565,269	8,061,093	7,456,748	7,326,991	8,780,551	9,129,355	8,199,935	9,078,371
Total	117,783,478	123,549,905	126,466,376	125,608,453	123,274,270	125,886,166	125,441,902	126,750,224	129,252,472	128,861,060	134,473,629

CONSUMPTION AND MANUFACTURE PER CAPITA OF DAIRY PRODUCTS

The population of California on July 1, 1983, was estimated by the California Department of Finance to be 25,107,000. This represented an increase of 383 thousand persons or approximately 1.5 percent from the same date a year earlier.

Although no data are collected which directly relate to the consumption of dairy products in California, the quantities of some dairy products either sold or manufactured in California represent reasonably well the quantities consumed in the State. These are products which for the most part are neither imported nor exported in significant amounts and which are not storable for any extended period of time. Products that have these characteristics and for which sales data are available are: fluid whole and lowfat milk, fluid skim milk, half-and-half, yogurt, and miscellaneous Class 1 products. The quantities of manufactured products produced in this State which may be assumed to represent those consumed here are limited to cottage cheese, buttermilk, and frozen products.

The sales of various dairy products and the manufacture of selected manufactured dairy products are expressed in either quarts per capita or pounds per capita in Table 62. Population figures used are those shown in the first column of the Table.

Per capita sales of all Class 1 dairy products in California during 1983 amounted to 114.43 quarts. These 114.43 quarts included: 103.35 quarts of fluid whole and lowfat milk, 6.81 quarts of skim milk, 1.60 quarts of half-and-half, and 2.67 quarts of yogurt and miscellaneous Class 1 products. Valid comparisons of the per capita sales of these items for 1974 and later cannot be made with data for 1973 and earlier due to product reclassifications and changes in reporting procedures. For example, fluid creams are no longer Class 1 products, while yogurt is a Class 1 product. Flavored dairy drinks are now included with either fluid whole and lowfat milk or fluid skim milk, depending on the fat content.

In 1983 manufacture per capita of creamed and lowfat cottage cheese in California totaled 5.31 pounds, a decrease of 2.4 percent from 1982. Creamed cottage cheese accounted for 3.32 pounds per capita, and lowfat cottage cheese accounted for 1.99 pounds per capita. Between 1982 and 1983, the manufacture per capita of creamed cottage cheese decreased 3.8 percent and the manufacture per capita of lowfat cottage cheese remained the same.

During 1983, the manufacture per capita of buttermilk in California amounted to 1.57 quarts. This was approximately the same manufacture per capita as existed during 1982.

Manufacture per capita of all frozen products in California during 1983 totaled 21.42 quarts, a increase from 1982 of 2.7 percent. The manufacture per capita of all frozen products included 16.10 quarts of ice cream, 4.44 quarts of ice milk, 0.76 quarts of sherbet, 0.06 quarts of imitation ice cream, and 0.05 quarts of imitation ice milk. Between 1982 and 1983 the manufacture per capita estimates for the various frozen dairy products indicate that while ice cream exhibited a 4.5 percent increase, ice milk, sherbet, imitation ice cream and imitation ice milk were characterized by decreases of 1.1, 1.3, 40.0, and 22.2 percent respectively.

TABLE 62. ESTIMATED CONSUMPTION AND MANUFACTURE PER CAPITA OF SELECTED DAIRY PRODUCTS IN CALIFORNIA, BY YEARS, 1966-1983

Year	Estimated July 1 Population (Thousands)	Class 1 Product Sales per Capita (Quarts)							
		Total	Fluid Milk	Fluid Skim Milk	Flavored Dairy Drink	Half-and-Half	Yogurt and Misc.	Fluid Cream Sour	Fluid Cream Other
1966	18,850	134.80	121.98	7.05	2.13	2.64	Not	0.66	0.34
1967	19,232	131.88	119.40	7.07	2.00	2.44	Included	0.65	0.32
1968	19,511	129.72	117.19	7.21	2.10	2.28	in	0.68	0.26
1969	19,817	126.87	114.78	7.05	2.09	2.10	Total	0.68	0.17
1970	20,039	125.32	113.54	6.89	2.07	1.94	Class 1	0.71	0.17
1971	20,346	123.60	111.99	7.12	1.94	1.66	Products	0.71	0.18
1972	20,585	127.60	115.44	7.72	1.99	1.57	Until	0.70	0.17
1973	20,868	127.49	115.20	7.96	1.88	1.56	1974	0.72	0.16
1974	21,173	126.10	113.62	8.24	1/	1.55	2.68	3/	
1975	21,537	126.07	113.17	8.59		1.52	2.78		
1976	21,935	127.91	115.67	8.49		1.55	2.21 2/		
1977	22,350	127.85	115.62	8.47		1.54	2.21		
1978	22,839	126.50	114.68	8.07		1.59	2.16		
1979	23,255	125.86	114.00	7.75		1.61	2.50		
1980	23,769	122.08	110.27	7.52		1.58	2.71		
1981	24,196	118.98	107.62	7.30		1.60	2.46		
1982	24,724	114.43	103.62	6.86		1.57	2.37		
1983	25,107	114.43	103.35	6.81		1.60	2.67		

CONTINUED

TABLE 62. ESTIMATED CONSUMPTION AND MANUFACTURE PER CAPITA OF SELECTED DAIRY PRODUCTS IN CALIFORNIA, BY YEARS, 1966-1983 - CONTINUED

Manufacture per Capita

Year	Cottage Cheese			Fluid Buttermilk	Frozen Products					
	Total	Creamed	Low fat		Total	Ice Cream	Ice Milk	Sherbet	Imitation Ice Cream	Imitation Ice Milk
	(Pounds)			(Quarts)	(Quarts)					
1966	7.14	6.20	0.94	3.13	24.69	14.38	5.77	1.24	1.12	2.18
1967	7.14	6.13	1.01	2.97	24.23	14.07	5.61	1.20	1.13	2.22
1968	7.25	6.18	1.07	2.83	24.47	14.31	5.73	1.25	1.16	2.02
1969	7.85	6.29	1.26	2.86	24.07	14.14	5.80	1.23	1.13	1.77
1970	8.25	6.77	1.48	2.93	24.00	14.37	5.82	1.20	1.06	1.54
1971	8.32	6.65	1.67	2.96	23.30	14.28	5.58	1.15	1.00	1.29
1972	8.22	6.32	1.89	2.93	23.41	14.50	5.59	1.18	0.92	1.21
1973	7.83	5.80	2.03	2.76	22.58	14.18	5.39	1.14	0.88	0.99
1974	7.06	5.15	1.91	2.47	23.34	15.16	5.44	1.16	0.76	0.80
1975	6.71	4.79	1.92	2.38	23.49	15.74	5.42	1.07	0.66	0.59
1976	6.85	4.88	1.98	2.46	22.90	15.83	4.96	1.16	0.48	0.47
1977	6.56	4.63	1.93	2.28	22.06	15.28	5.03	1.02	0.39	0.34
1978	6.41	4.41	2.00	2.13	22.05	15.45	5.08	0.92	0.34	0.26
1979	6.33	4.32	2.01	1.95	21.58	15.33	4.89	0.89	0.27	0.20
1980	6.16	4.07	2.10	1.81	21.33	15.26	4.84	0.84	0.22	0.16
1981	5.91	3.79	2.12	1.75	21.37	15.57	4.69	0.82	0.16	0.13
1982	5.44	3.45	1.99	1.57	20.85	15.41	4.49	0.77	0.10	0.09
1983	5.31	3.32	1.99	1.57	21.42	16.10	4.44	0.76	0.06	0.07

1/ Subsequent to 1973, flavored dairy drink sales have been categorized as either flavored fluid milk or flavored fluid skim milk sales depending on fat content.

2/ Subsequent to 1975, out-of-state yogurt sales have been excluded from Class 1 product sales.

3/ Subsequent to 1973, fluid cream sales have been excluded from Class 1 product sales.

MINIMUM PRICES

As specified in Division 21, Part 3, Chapter 2 of the Food and Agricultural Code of the State of California, the Bureau of Milk Stabilization establishes minimum prices to be paid to producers by handlers for market milk in the various usage classifications for each marketing area in the State.

Commencing August 1, 1978, minimum Class 1 prices were established by means of an economic formula. The factors used in the formula and their respective weights have been as follows: Cost of production, 43%; Class 4 price, 42%; and real net spendable earnings as published by the Employment Development Department for the Los Angeles-Long Beach metropolitan area, 15%. Effective August 1, 1982, the real net spendable earnings factor was permanently replaced by an average weekly earnings factor. This change in the formula was made because of the unavailability of the real net spendable earnings factor. The formula-determined Class 1 prices are calculated bimonthly by the Bureau of Milk Stabilization and are subject to change as a result of hearings.

Minimum class prices in effect during 1983 are shown in Tables 63 through 66.

TABLE 63. MINIMUM PRODUCER PRICES IN CALIFORNIA FOR MARKET MILK USED TO PRODUCE CLASS 1 PRODUCTS, BY MARKETING AREAS, 1983

Time Period	Marketing Area	PRODUCER PRICES, F.O.B. PROCESSING PLANT				
		Component Basis			Whole Milk Basis 1/	Weighted Average Basis 2/
		Fat	SNF	Fluid		
		($/Lb.)			($/Cwt.)	($/Cwt.)
Jan. 1-Jan. 31	Central Valley	1.6108	0.7988	0.0094	13.41	
	Del Norte-Humboldt	1.6158	0.7988	0.0140	13.83	
	Northern California	1.6108	0.7988	0.0112	13.57	13.59
	South Valley	1.6108	0.7988	0.0094	13.41	
	Southern California	1.6158	0.7988	0.0137	13.81	
Feb. 1-Mar. 31	Central Valley	1.6148	0.8004	0.0094	13.44	
	Del Norte-Humboldt	1.6198	0.8004	0.0140	13.86	
	Northern California	1.6148	0.8004	0.0112	13.60	13.62
	South Valley	1.6148	0.8004	0.0094	13.44	
	Southern California	1.6198	0.8004	0.0137	13.84	
Apr. 1-May 31	Central Valley	1.6280	0.8058	0.0097	13.56	
	Del Norte-Humboldt	1.6330	0.8058	0.0143	13.98	
	Northern California	1.6280	0.8058	0.0115	13.72	13.74
	South Valley	1.6280	0.8058	0.0097	13.56	
	Southern California	1.6330	0.8058	0.0140	13.96	
Jun. 1 - Jul. 31	Del Norte-Humboldt	1.6401	0.8086	0.0144	14.04	
	Northern California 3/	1.6351	0.8086	0.0116	13.78	13.81
	South Valley	1.6351	0.8086	0.0098	13.62	
	Southern California	1.6401	0.8086	0.0141	14.01	
Aug. 1 - Sep. 30	Del Norte-Humboldt	1.6305	0.8047	0.0143	13.96	
	Northern California	1.6255	0.8047	0.0115	13.70	13.74
	South Valley	1.6255	0.8047	0.0097	13.54	
	Southern California	1.6305	0.8047	0.0140	13.94	
Oct. 1 - Nov. 30	Del Norte-Humboldt	1.6570	0.8154	0.0148	14.19	
	Northern California	1.6520	0.8154	0.0120	13.93	13.97
	South Valley	1.6520	0.8154	0.0102	13.77	
	Southern California	1.6570	0.8154	0.0145	14.17	
Dec. 1 - Dec. 31	Del Norte-Humboldt	1.6585	0.8160	0.0148	14.20	
	Northern California	1.6535	0.8160	0.0120	13.94	13.98
	South Valley	1.6535	0.8160	0.0102	13.78	
	Southern California	1.6585	0.8160	0.0145	14.18	

1/ Calculated based on 3.5 percent fat, 8.7 percent solids-not-fat, and 87.8 percent fluid carrier.

2/ Calculated for the State as a whole using market milk production in each marketing area for weighting.

3/ Effective June 1, 1983, the Central Valley Marketing Area was consolidated into the Northern California Marketing Area.

TABLE 64. MINIMUM PRODUCER PRICES IN CALIFORNIA FOR MILK FAT USED TO PRODUCE CLASS 2, 3, 4A, AND 4B PRODUCTS, BY MARKETING AREAS, 1983

Marketing Area	Class	January	February	March	April	May	June	July	August	September	October	November	December
		(dollars per pound)											
Southern California	2	1.6817	1.6817	1.6817	1.6817	1.6817	1.6781	1.6781	1.6781	1.6781	1.6781	1.6781	1.6781
Del Norte-Humboldt	2	1.6524	1.6524	1.6524	1.6524	1.6524	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488
Northern California, South and Central Valley 1/	2	1.6794	1.6794	1.6794	1.6794	1.6794	1.6758	1.6758	1.6758	1.6758	1.6758	1.6758	1.6758
Southern California	3	1.6817	1.6817	1.6817	1.6817	1.6817	1.6781	1.6781	1.6781	1.6781	1.6781	1.6781	1.6781
Del Norte-Humboldt	3	1.6524	1.6524	1.6524	1.6524	1.6524	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488
Northern California, South and Central Valley 1/	3	1.6794	1.6794	1.6794	1.6794	1.6794	1.6758	1.6758	1.6758	1.6758	1.6758	1.6758	1.6758
All Areas	4a	1.6524	1.6524	1.6524	1.6524	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.5913
	4b	1.6524	1.6524	1.6524	1.6524	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.6488	1.5913

1/ The Central Valley Marketing Area was consolidated into the Northern California Marketing Area effective June 1, 1983.

TABLE 65. MINIMUM PRODUCER PRICES IN CALIFORNIA FOR SOLIDS-NOT-FAT USED TO PRODUCE CLASS 2, 3, 4A, AND 4B PRODUCTS, BY MARKETING AREAS, 1983

Marketing Area	Class	January	February	March	April	May	June	July	August	September	October	November	December
		(dollars per pound)											
Southern California	2	0.8144	0.8144	0.8146	0.8145	0.8145	0.8075	0.8074	0.8077	0.8076	0.8076	0.8076	0.8075
Del Norte-Humboldt	2	0.7843	0.7842	0.7844	0.7843	0.7843	0.7773	0.7772	0.7775	0.7774	0.7774	0.7774	0.7773
Northern California, South and Central Valley 1/	2	0.7887	0.7886	0.7888	0.7887	0.7887	0.7817	0.7816	0.7819	0.7818	0.7818	0.7818	0.7817
Southern California	3	0.7829	0.7829	0.7831	0.7830	0.7830	0.7760	0.7759	0.7762	0.7761	0.7761	0.7761	0.7760
Del Norte-Humboldt	3	0.7830	0.7829	0.7831	0.7830	0.7830	0.7760	0.7759	0.7762	0.7761	0.7761	0.7761	0.7760
Northern California, South and Central Valley 1/	3	0.7830	0.7829	0.7831	0.7830	0.7830	0.7760	0.7759	0.7762	0.7761	0.7761	0.7761	0.7760
All Areas	4a	0.7443	0.7445	0.7444	0.7444	0.7374	0.7373	0.7376	0.7375	0.7375	0.7375	0.7374	0.7140
	4b	0.7443	0.7445	0.7444	0.7444	0.7374	0.7373	0.7376	0.7375	0.7375	0.7375	0.7374	0.7140

1/ The Central Valley Marketing Area was consolidated into the Northern California Marketing Area effective June 1, 1983.

TABLE 66. MINIMUM PRODUCER PRICES IN CALIFORNIA FOR MARKET MILK USED TO PRODUCE CLASS 2, 3, 4A AND 4B PRODUCTS, BY MARKETING AREAS, 1983 1/

Marketing Area	Class	January	February	March	April	May	June	July	August	September	October	November	December
		(dollars per hundredweight)											
Southern California	2	12.97	12.97	12.97	12.97	12.97	12.90	12.90	12.90	12.90	12.90	12.90	12.90
Del Norte-Humboldt	2	12.61	12.60	12.61	12.61	12.61	12.53	12.53	12.54	12.53	12.53	12.53	12.53
Northern California, South and Central Valley 2/	2	12.74	12.74	12.74	12.74	12.74	12.67	12.66	12.67	12.67	12.67	12.67	12.67
Southern California	3	12.70	12.70	12.70	12.70	12.70	12.62	12.62	12.63	12.62	12.62	12.62	12.62
Del Norte-Humboldt	3	12.60	12.59	12.60	12.60	12.60	12.52	12.52	12.52	12.52	12.52	12.52	12.52
Northern California, South and Central Valley 2/	3	12.69	12.69	12.69	12.69	12.69	12.62	12.62	12.62	12.62	12.62	12.62	12.62
All Areas	4a	12.26	12.26	12.26	12.26	12.19	12.18	12.19	12.19	12.19	12.19	12.19	11.78
	4b	12.26	12.26	12.26	12.26	12.19	12.18	12.19	12.19	12.19	12.19	12.19	11.78

1/ Prices have been calculated from the price information presented in Tables 64 and 65 on a f.o.b. Distributor's Plant basis for 3.5 percent butterfat and 8.7 percent solids-not-fat milk.

2/ Central Valley Marketing Area was consolidated into the Northern California Marketing Area effective June 1, 1983.

SALES OF MARKET WHOLE MILK AND LOWFAT MILK BY SIZE AND TYPE OF CONTAINER, AND BY TYPE OF TRADE

In October 1983, all market milk distributors in California were requested to complete a special one-page form relating to their sales of market whole milk and lowfat milk by size and type of container and by type of trade. A similar survey for the month of October has been made each year since 1951.

Table 67 contains summary tabulations of the data reported on the special survey forms for October 1983. In this table, all sales are expressed in gallon units. For example, sales in quarts represent the number of gallons (expressed as quart units) sold rather than the number of quarts sold. This results in greater comparability and facilitates the computation of percentage distributions.

Sales by type of trade were reported under the headings of wholesale, retail, cash-and-carry, peddler and Federal Government. Since some routes, particularly for the smaller distributors and some of the peddlers, were probably "combination" routes, it seems likely that all sales are not properly classified as to type of trade. However, this factor is so small that it does not appear to have had any significant effect upon the overall results.

Users of these data should note that the survey summaries *do not include all sales of fluid milk in California.* For the State as a whole, the sales as reported in the summaries, account for a sample of approximately 98.2 percent of all market whole milk and lowfat milk sales in California.

TABLE 67. REPORTED SALES OF MARKET WHOLE AND LOWFAT MILK IN CALIFORNIA, BY TYPE OF TRADE AND CONTAINER CHARACTERISTICS, OCTOBER 1983

Container Size and Type	Type of Trade										Container Size and Type Total Sales	
	Wholesale		Retail		Cash-and-Carry		Peddler		Federal Government			
	(gallons)	(percent)	(gallons)	(percent)	(gallons)	(Percent)	(gallons)	(percent)	(gallons)	(percent)	(gallons)	(percent)
Bulk Size	1,011,867	2.1	342	0.3	1,799	0.7	352,196	5.2	359,020	27.1	1,725,224	3.1
Dispensing	946,222	2.0	342	0.3	1,799	0.7	341,820	5.1	359,020	27.1	1,649,203	3.0
Other	65,645	0.1	---	---	---	---	10,376	0.1	---	---	76,021	0.1
Ten Quart Size	48,021	0.1	726	0.6	6,877	2.7	35,877	0.5	---	---	91,501	0.2
Gallon Size	25,242,833	53.4	25,771	22.8	90,452	35.1	2,433,570	36.1	395,549	29.8	28,188,175	50.5
Paper	50,372	0.1	---	---	2,085	0.8	21,807	0.3	---	---	74,264	0.1
Molded Plastic	25,192,461	53.3	25,771	22.8	88,367	34.3	2,411,763	35.8	395,549	29.8	28,113,911	50.4
One-Half Gallon Size	14,064,502	29.7	78,261	69.4	131,907	51.2	2,102,348	31.2	456,433	34.4	16,833,451	30.2
Glass	17,636	1/	35,466	31.5	28,403	11.0	73,622	1.1	---	---	155,127	0.3
Paper	13,076,066	27.6	37,791	33.5	72,366	28.1	1,766,353	26.2	456,433	34.4	15,409,009	27.6
Molded Plastic	970,800	2.1	5,004	4.4	31,138	12.1	262,373	3.9	---	---	1,269,315	2.3
Quart Size	2,582,281	5.4	4,376	3.9	7,299	2.8	389,337	5.8	41,819	3.1	3,025,112	5.4
Glass	4,086	1/	870	0.8	1,148	0.4	3,894	0.1	---	---	9,998	1/
Paper	2,577,684	5.4	3,506	3.1	2,569	1.0	385,443	5.7	41,819	3.1	3,011,021	5.4
Molded Plastic	511	1/	---	---	3,582	1.4	---	---	---	---	4,093	1/
Pint Size	978,201	2.1	1,721	1.5	1,675	0.6	254,422	3.8	7,533	0.6	1,243,552	2.2
One-Third Quart Size	894,864	1.9	842	0.8	3,835	1.5	345,489	5.1	10,885	0.8	1,255,915	2.3
One-Half Pint Size	2,485,588	5.3	745	0.7	13,936	5.4	826,777	12.3	55,359	4.2	3,382,405	6.1
Type of Trade Total Sales	47,308,157	100.0	112,784	100.0	257,780	100.0	6,740,016	100.0	1,326,598	100.0	55,745,335	100.0

1/ Calculated percentages less than 0.05 percent.

PLANTS REPORTING SALES OF FLUID MARKET MILK

The number of plants reporting sales of fluid market milk during the month of December by county of plant location for the years 1973 through 1983 is shown in Table 68. During this ten year period, the number of plants has decreased from 236 in 1973 to 85 in 1983, a decline of 64.0 percent.

TABLE 68. NUMBER OF PLANTS IN CALIFORNIA REPORTING SALES OF FLUID MARKET MILK DURING DECEMBER, BY COUNTIES OF PLANT LOCATION, 1973-1933

County	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Del Norte	1	1	1	1	1	1	1	1	1	1	1
Humboldt	3	3	3	3	2	2	2	2	3	2	2
Mendocino	2	2	2	2	2	2	2	1	1	1	1
Shasta	4	3	2	2	2	2	2	2	3	2	2
Siskiyou	1	1	1	1	1	1	1	1	1	1	1
Trinity	--	--	--	--	--	--	--	--	--	--	--
Lassen	1	1	--	--	--	--	--	--	--	--	--
Modoc	--	--	--	--	--	--	--	--	--	--	--
Plumas	--	--	--	--	--	--	--	--	--	--	--
Alameda	16	13	11	9	9	7	7	7	7	7	7
Contra Costa	6	5	5	4	3	3	3	1	1	1	1
Lake	--	--	--	--	--	--	--	--	--	--	--
Marin	--	--	--	--	--	--	--	--	--	--	--
Monterey	2	2	2	2	2	2	2	2	2	2	1
Napa	1	1	1	1	1	1	1	1	1	1	1
San Benito	--	--	--	--	--	--	--	--	--	--	--
San Francisco	5	3	3	3	2	1	1	1	1	1	1
San Luis Obispo	2	2	2	2	2	2	2	2	2	2	2
San Mateo	1	1	1	1	1	--	--	--	--	--	--
Santa Clara	10	8	8	7	6	5	5	3	3	3	2
Santa Cruz	1	2	1	1	1	1	1	1	--	--	--
Sonoma	8	7	7	6	6	6	6	5	4	4	4
Butte	1	1	1	1	1	1	1	1	1	1	1
Colusa	--	--	--	--	--	--	--	--	--	--	--
Glenn	--	--	--	--	--	--	--	--	--	--	--
Sacramento	6	6	5	5	5	5	5	5	5	5	6
Solano	1	1	--	--	--	--	--	--	--	--	1
Sutter	--	--	--	--	--	--	--	--	--	--	--
Tehama	1	1	1	1	1	--	--	--	--	--	--
Yolo	--	--	--	--	--	--	--	--	--	--	--
Yuba	--	--	--	--	--	--	--	--	--	--	--
Fresno	10	9	9	7	5	5	5	5	5	5	5
Kern	4	4	4	3	3	3	3	3	3	3	3
Kings	1	1	--	--	--	--	--	--	--	--	--
Madera	1	1	1	1	--	--	--	--	--	--	--
Merced	2	2	2	1	--	--	--	--	--	--	--
San Joaquin	5	4	4	4	2	2	2	1	1	1	1
Stanislaus	2	2	2	2	2	2	2	2	2	2	2
Tulare	3	3	2	1	--	--	--	--	1	1	1
Alpine	--	--	--	--	--	--	--	--	--	--	--
Amador	--	--	--	--	--	--	--	--	--	--	--
Calaveras	--	--	--	--	--	--	--	--	--	--	--
El Dorado	--	--	--	--	--	--	--	--	--	--	--
Inyo	1	--	--	--	--	--	--	--	--	--	--
Mariposa	--	--	--	--	--	--	--	--	--	--	--
Mono	--	--	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--	--	--
Placer	1	--	--	--	--	--	--	--	--	--	--
Sierra	--	--	--	--	--	--	--	--	--	--	--
Tuolumne	--	--	--	--	--	--	--	--	--	--	--
Imperial	1	1	1	--	--	--	--	--	--	--	--
Los Angeles	71	63	51	43	37	35	35	29	25	25	22
Orange	13	10	9	8	8	7	7	5	4	4	4
Riverside	13	11	10	8	6	5	5	4	4	4	4
San Bernardino	19	16	12	10	10	4	4	3	3	3	3
San Diego	9	7	7	7	7	5	5	5	5	5	5
Santa Barbara	3	3	3	2	1	--	--	--	--	--	--
Ventura	4	4	3	2	1	1	1	1	1	1	1
TOTAL	236	205	177	151	130	111	111	94	90	88	85

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